

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009224.D
 Acq On : 28 Dec 2019 12:42
 Operator : JU
 Sample : K6278-06DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0C53DL

Manual Integrations
 APPROVED

mohammad
 12/29/2019 5:32:13 PM

Quant Time: Dec 29 04:18:17 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 03:34:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2045	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	7401	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4027	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8091	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	6452	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6594	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	322	0.02	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	699	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	2969	0.132	ng/ul#	94
5) 2-Methylnaphthalene	11.94	142	1843	0.109	ng/ul	100
7) Acenaphthylene	13.86	152	1682	0.080	ng/ul#	91
9) Fluorene	15.20	166	487	0.025	ng/ul#	93
12) Phenanthrene	16.93	178	11599	0.412	ng/ul	99
13) Anthracene	17.02	178	2342	0.093	ng/ul#	93
15) Fluoranthene	18.95	202	27611	0.858	ng/ul	99
17) Pyrene	19.32	202	22727	0.690	ng/ul	99
18) Benzo(a)anthracene	21.07	228	12135	0.424	ng/ul	96
19) Chrysene	21.12	228	14060	0.488	ng/ul	96
21) Benzo(b)fluoranthene	22.58	252	18372m	0.597	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	7222m	0.233	ng/ul	
23) Benzo(a)pyrene	23.12	252	10799	0.400	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.30	276	8224	0.280	ng/ul	90
25) Dibenzo(a,h)anthracene	25.31	278	2193	0.094	ng/ul#	65
26) Benzo(a,h,i)perylene	25.93	276	6478	0.262	ng/ul	95

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

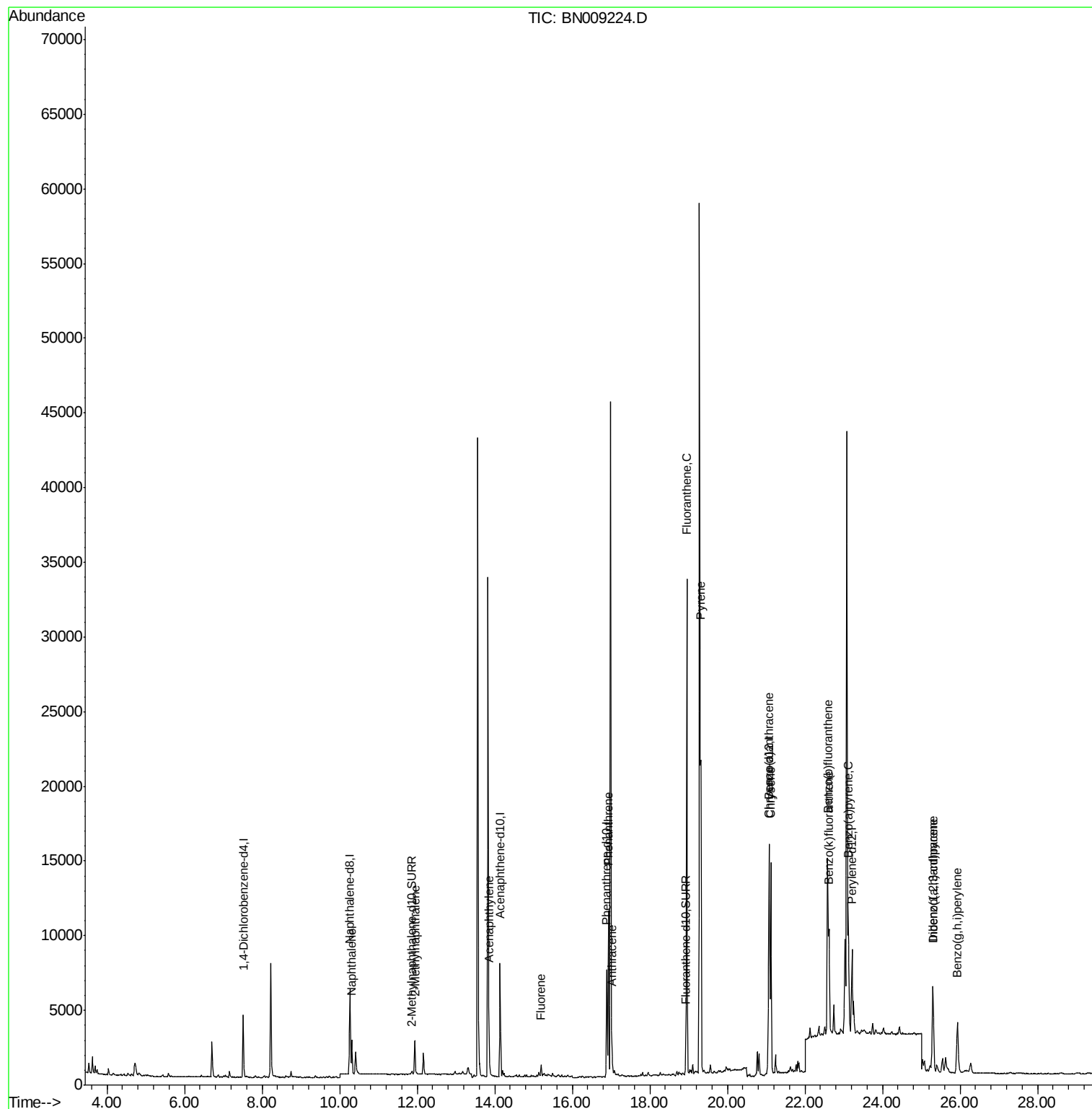
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
Data File : BN009224.D
Acq On : 28 Dec 2019 12:42
Operator : JU
Sample : K6278-06DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

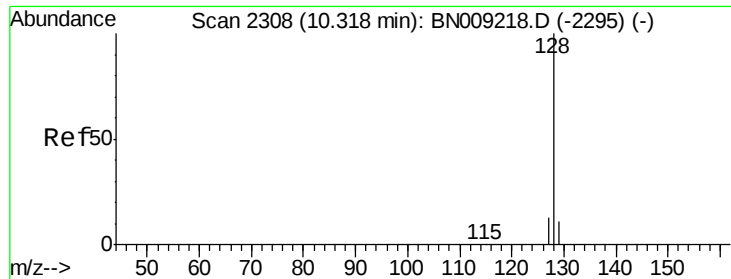
Instrument :
BNA_N
ClientSampleId :
C0C53DL

Manual Integrations
APPROVED

mohammad
12/29/2019 5:32:13 PM

Quant Time: Dec 29 04:18:17 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 03:34:38 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.132 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

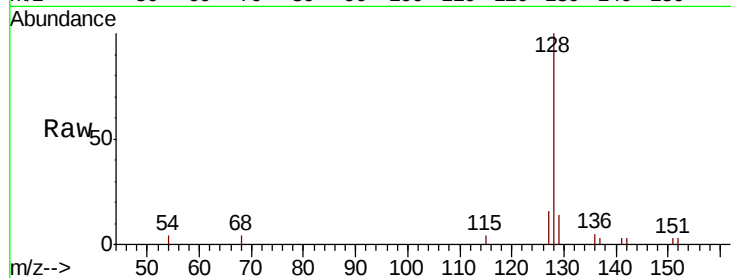
ClientSampleId :

C0C53DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.0	13.4#
127	15.5	10.9	16.3

Manual Integrations
APPROVED

mohammad
12/29/2019 5:32:13 PM

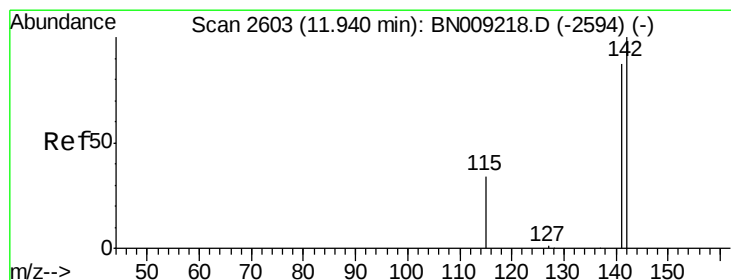
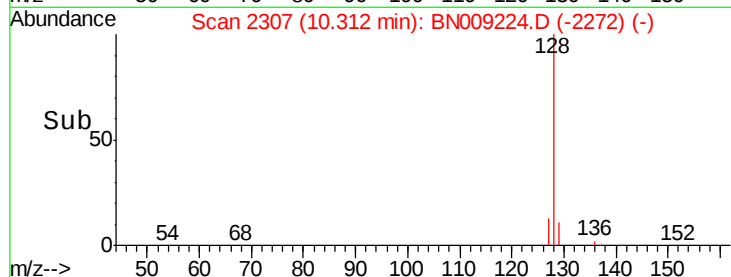
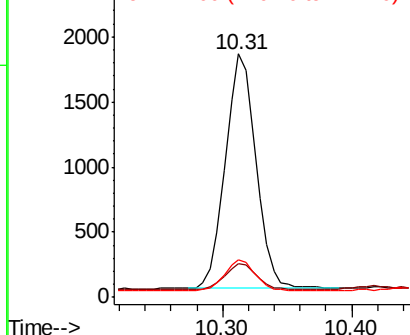


Abundance

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: 0.109 ng/ul

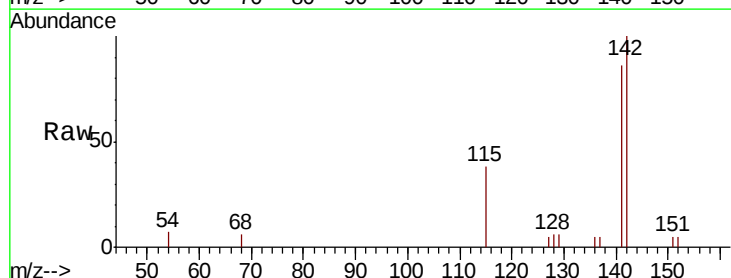
RT: 11.94 min Scan# 2603

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

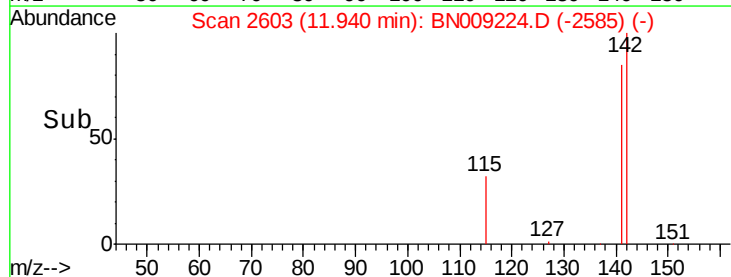
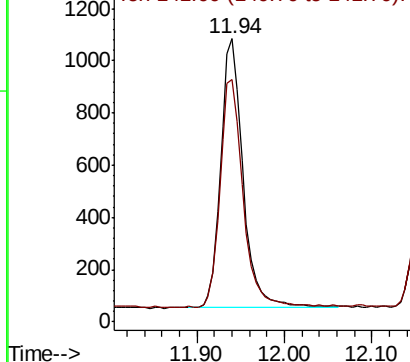
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.2	105.4

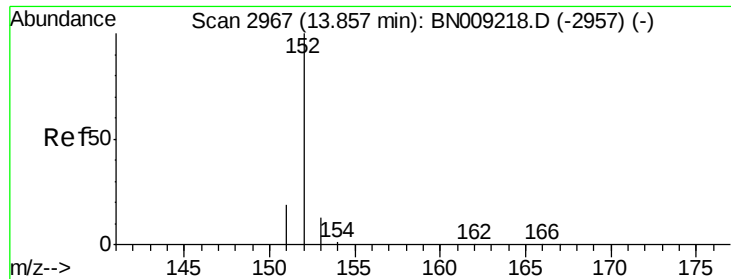


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.080 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

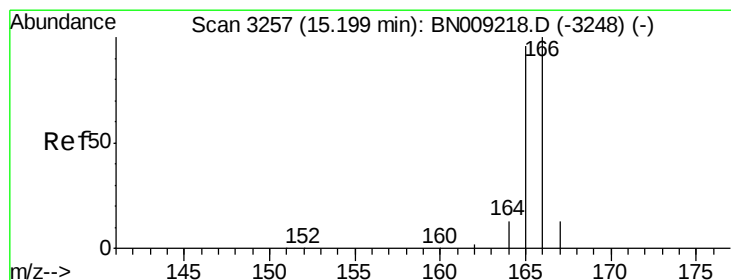
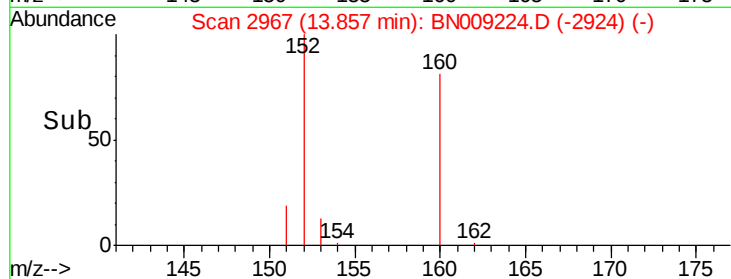
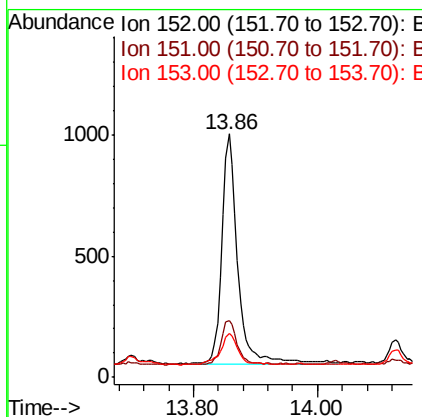
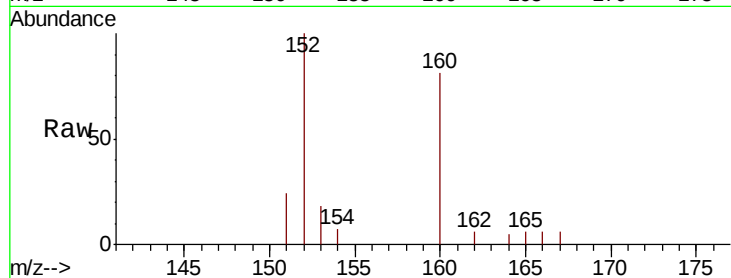
ClientSampleId :

C0C53DL

Tot Ion:	152	Resp:	1682
Ion Ratio	Lower	Upper	
152	100		
151	23.5	15.7	23.5
153	17.8	10.8	16.2#

Manual Integrations
APPROVED

mohammad
12/29/2019 5:32:13 PM



#9

Fluorene

Concen: 0.025 ng/ul

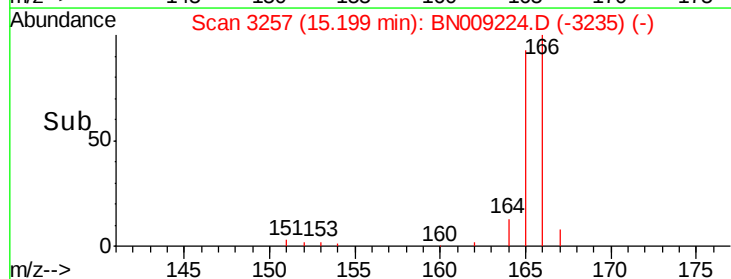
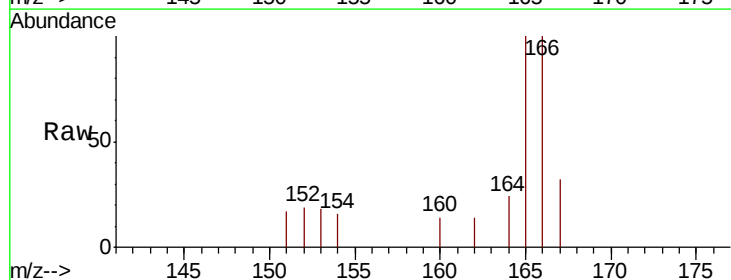
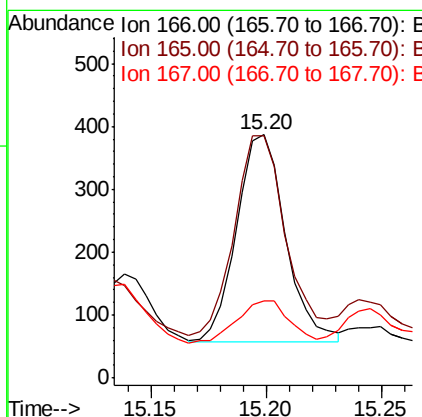
RT: 15.20 min Scan# 3257

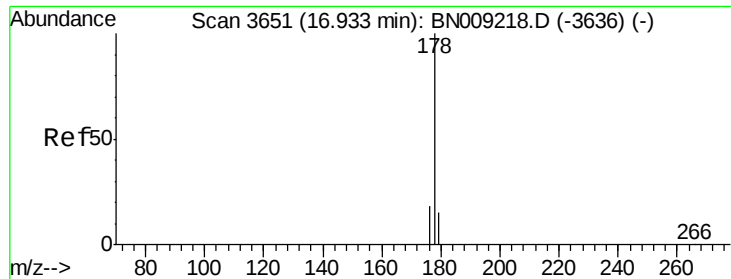
Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Tgt Ion:	166	Resp:	487
Ion Ratio	Lower	Upper	
166	100		
165	99.7	78.2	117.4
167	31.5	11.0	16.6#





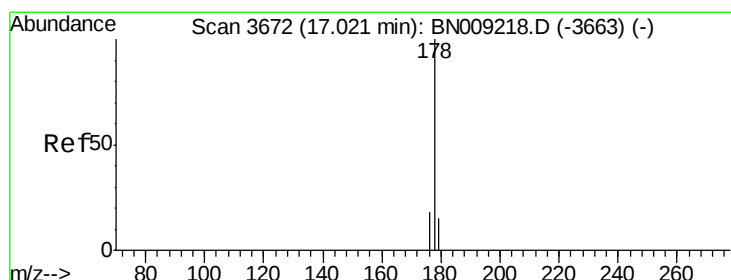
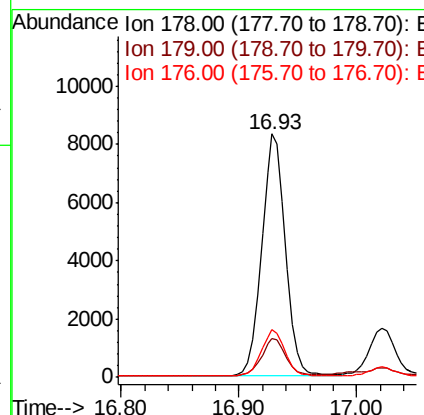
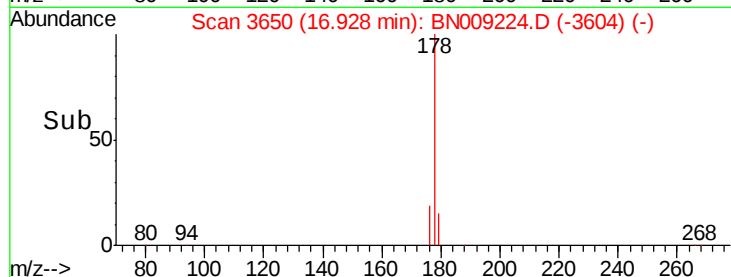
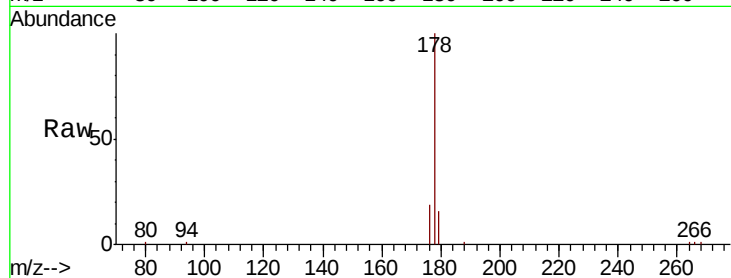
#12
Phenanthrene
Concen: 0.412 ng/ul
RT: 16.93 min Scan# 3650
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Instrument :
BNA_N
ClientSampleId :
C0C53DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.4	15.1	22.7

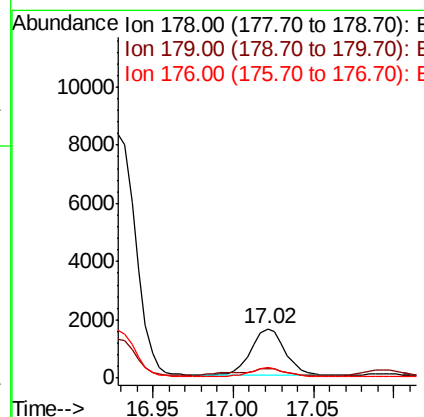
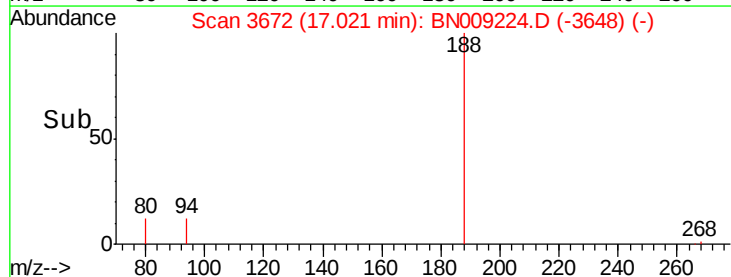
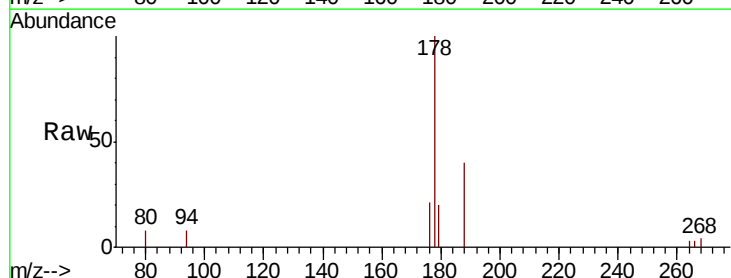
Manual Integrations
APPROVED

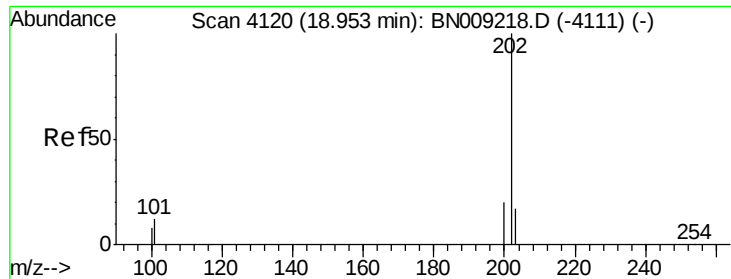
mohammad
12/29/2019 5:32:13 PM



#13
Anthracene
Concen: 0.093 ng/ul
RT: 17.02 min Scan# 3672
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.8	12.5	18.7#
176	20.9	14.9	22.3





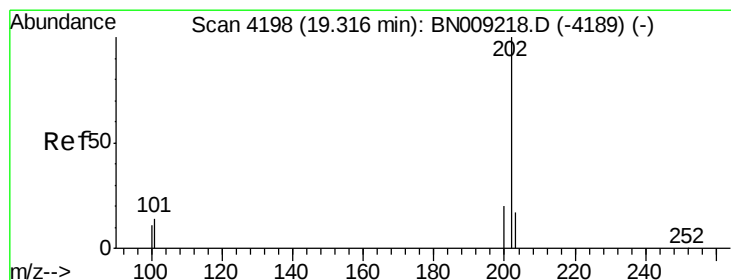
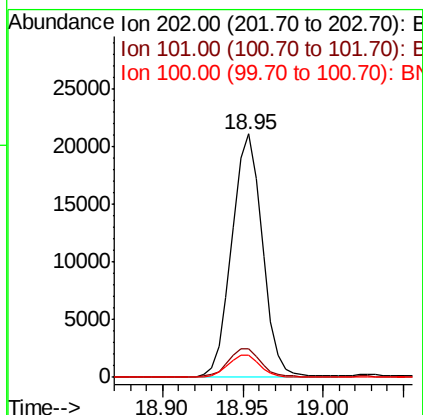
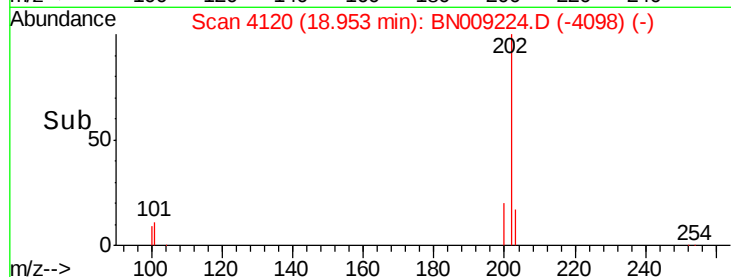
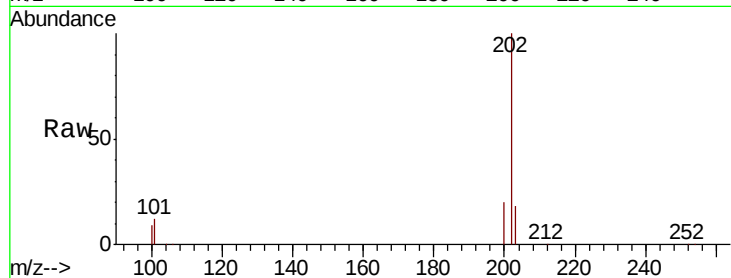
#15
Fluoranthene
Concen: 0.858 ng/ul
RT: 18.95 min Scan# 4120
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Instrument :
BNA_N
ClientSampleId :
C0C53DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	31.5
100	8.9	0.0	28.9

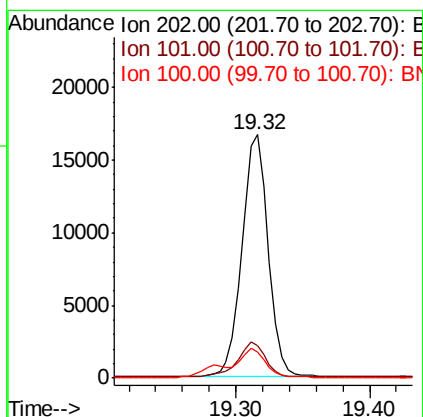
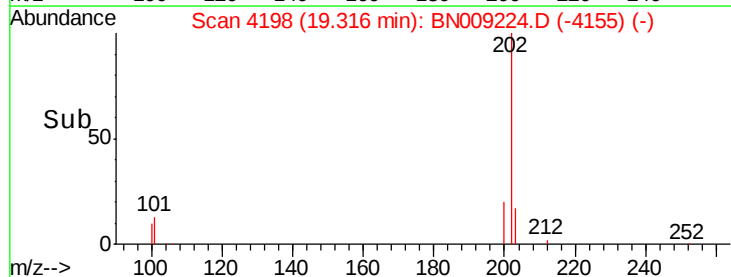
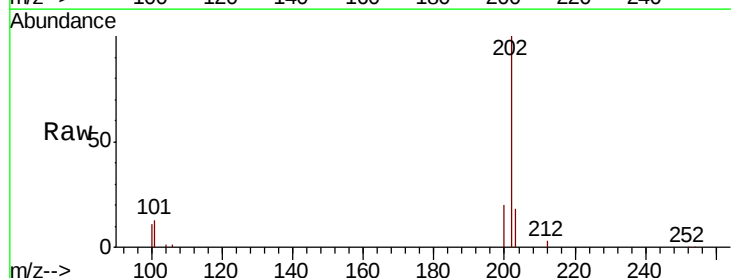
Manual Integrations
APPROVED

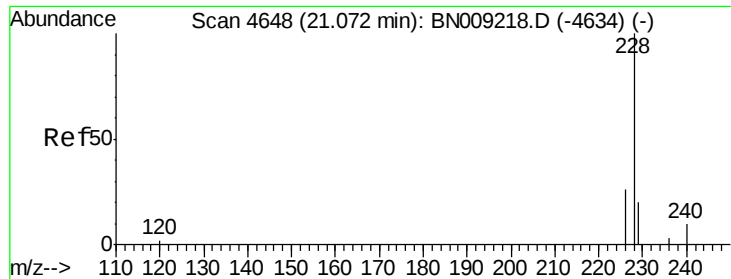
mohammad
12/29/2019 5:32:13 PM



#17
Pyrene
Concen: 0.690 ng/ul
RT: 19.32 min Scan# 4198
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	10.9	16.3
100	10.7	9.0	13.6





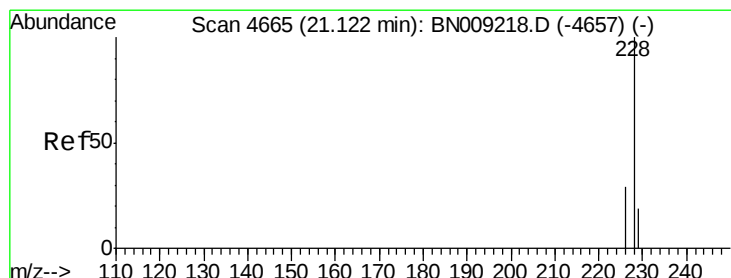
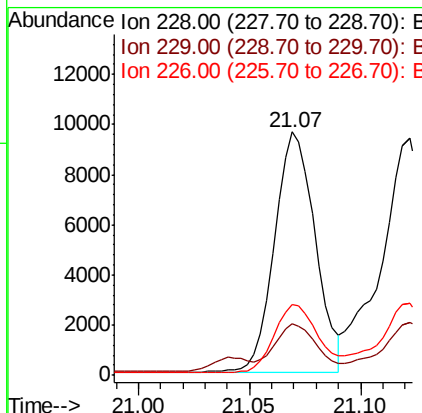
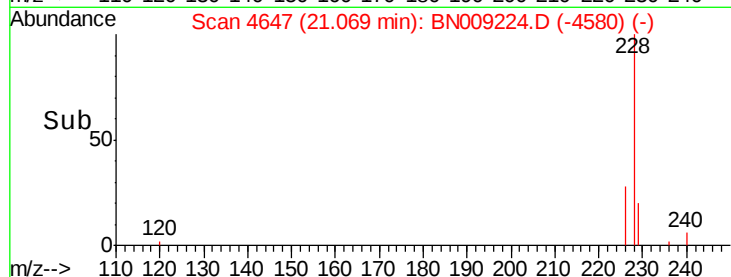
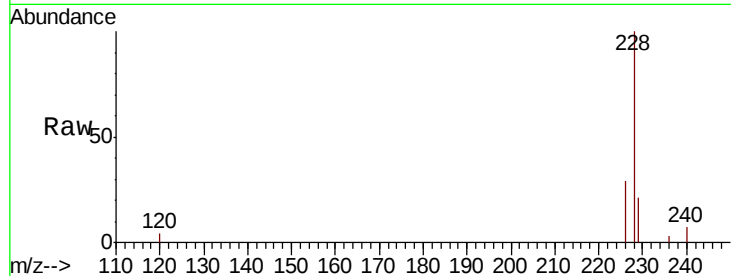
#18
Benzo(a)anthracene
Concen: 0.424 ng/ul
RT: 21.07 min Scan# 4647
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Instrument :
BNA_N
ClientSampleId :
C0C53DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.5	23.3
226	29.1	21.7	32.5

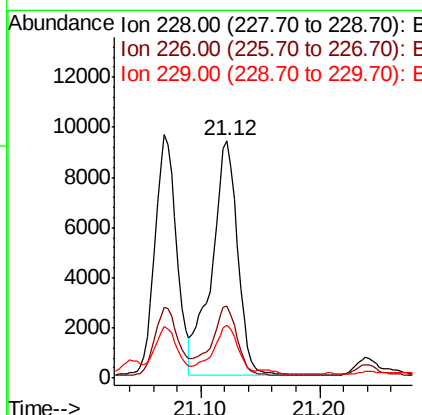
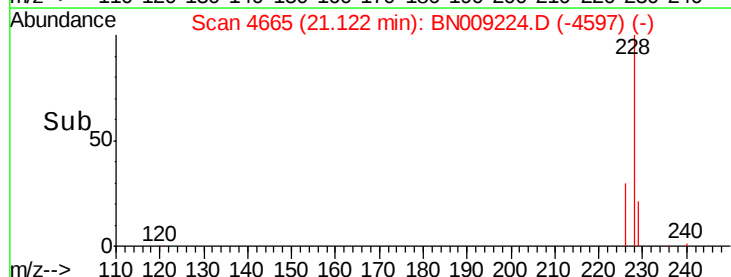
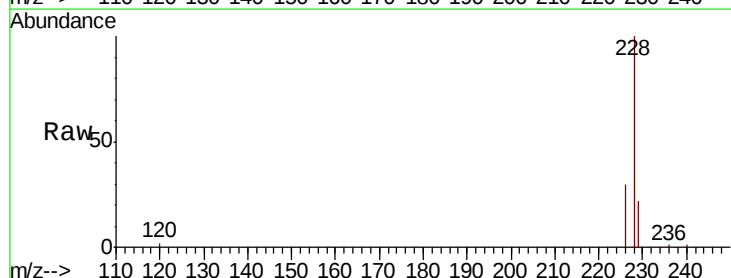
Manual Integrations
APPROVED

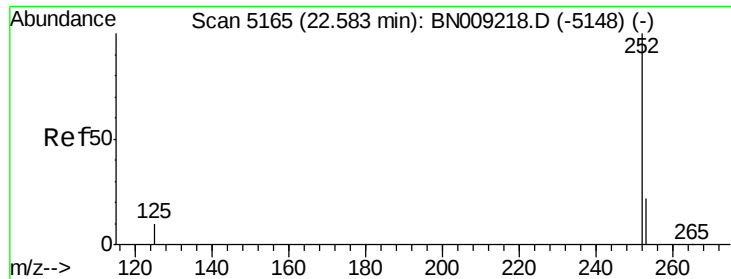
mohammad
12/29/2019 5:32:13 PM



#19
Chrysene
Concen: 0.488 ng/ul
RT: 21.12 min Scan# 4665
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	22.4	15.4	23.0





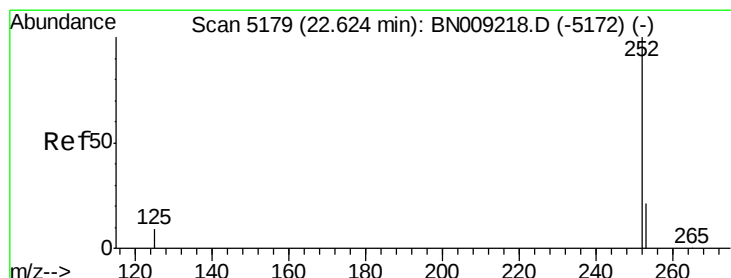
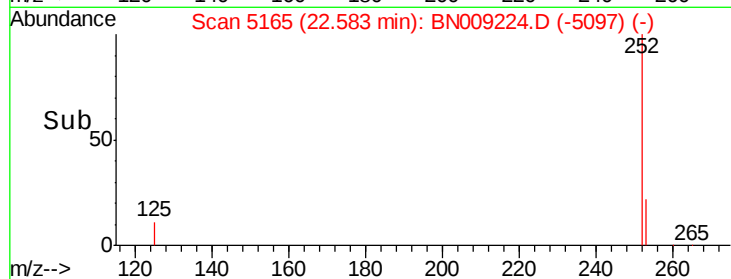
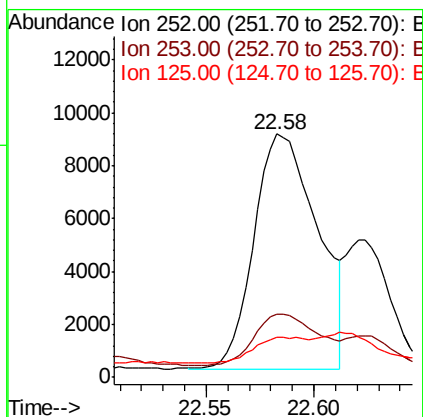
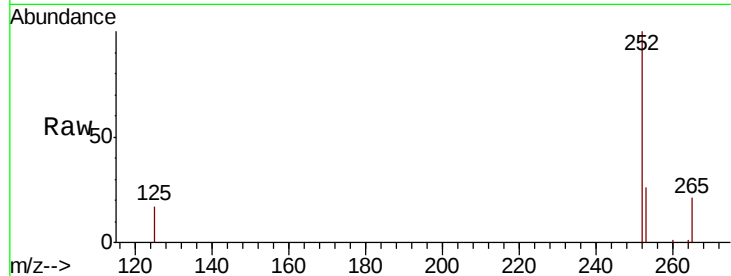
#21
Benzo(b)fluoranthene
Concen: 0.597 ng/ul m
RT: 22.58 min Scan# 5165
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Instrument :
BNA_N
ClientSampleId :
C0C53DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	0.0	48.2
125	16.7	0.0	30.0

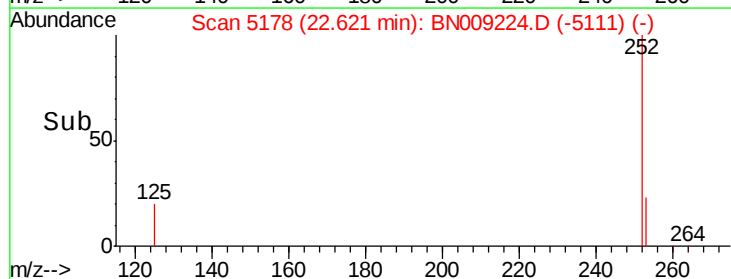
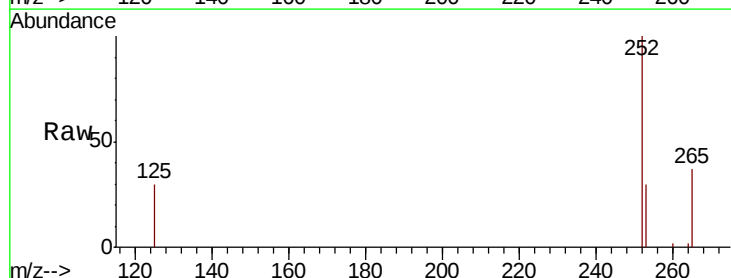
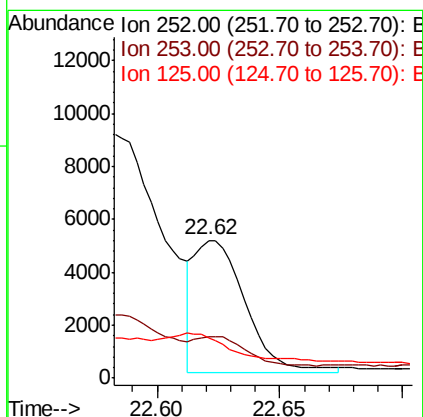
Manual Integrations
APPROVED

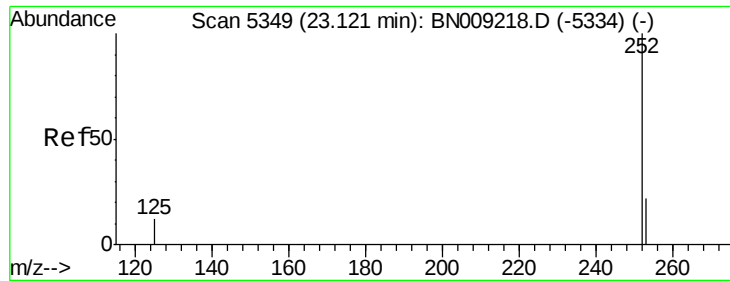
mohammad
12/29/2019 5:32:13 PM



#22
Benzo(k)fluoranthene
Concen: 0.233 ng/ul m
RT: 22.62 min Scan# 5178
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	19.4	29.0#
125	29.5	12.4	18.6#





#23

Benzo(a)pyrene

Concen: 0.400 ng/u1

RT: 23.12 min Scan# 5348

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

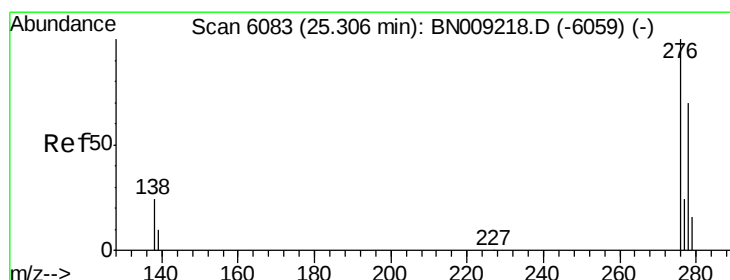
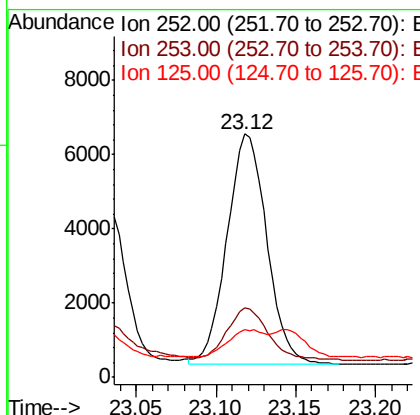
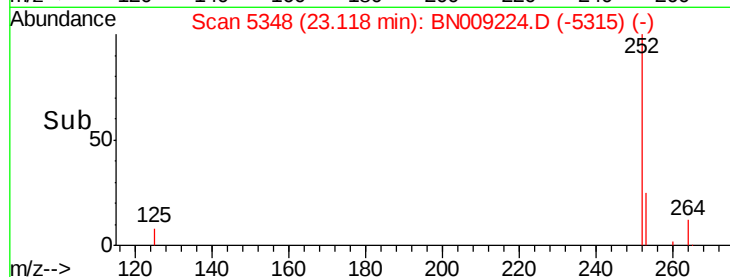
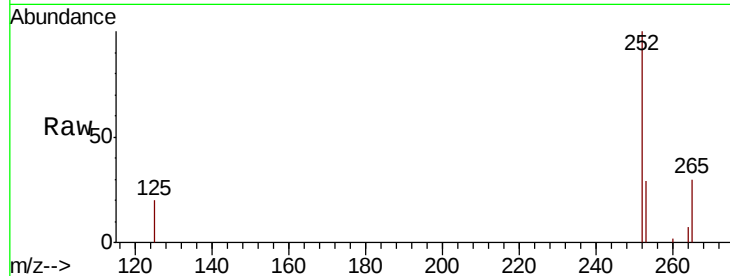
ClientSampleId :

C0C53DL

Tot Ion:	252	Resp:	10799
Ion Ratio	Lower	Upper	
252	100		
253	28.6	20.2	30.4
125	19.5	13.2	19.8

Manual Integrations
APPROVED

mohammad
12/29/2019 5:32:13 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.280 ng/u1

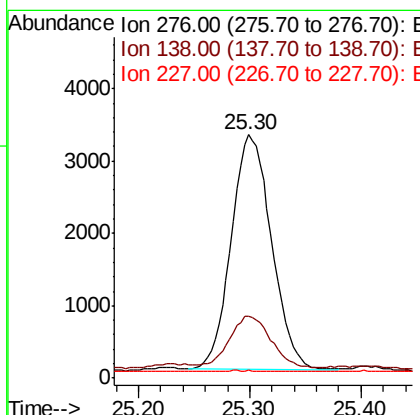
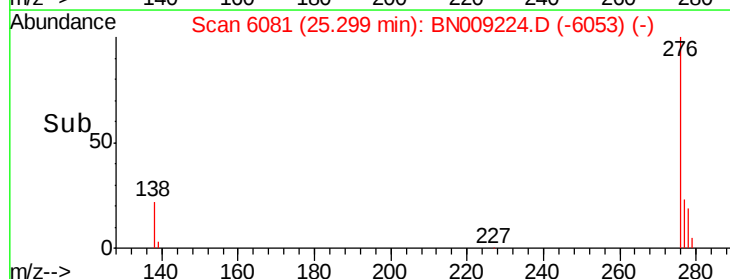
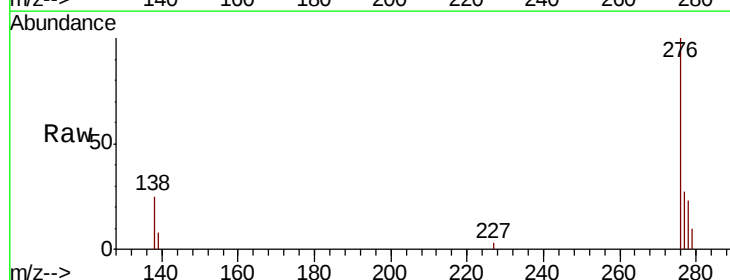
RT: 25.30 min Scan# 6081

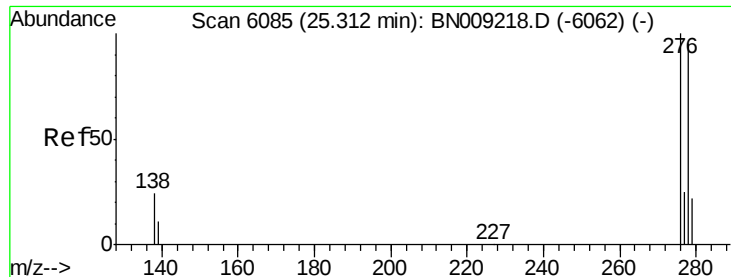
Delta R.T. -0.01 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Tgt Ion:	276	Resp:	8224
Ion Ratio	Lower	Upper	
276	100		
138	22.7	22.4	33.6
227	0.3	0.2	0.4





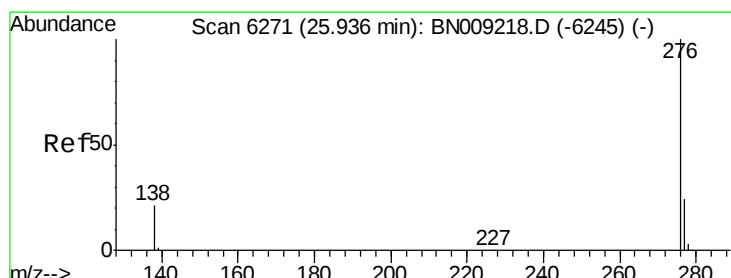
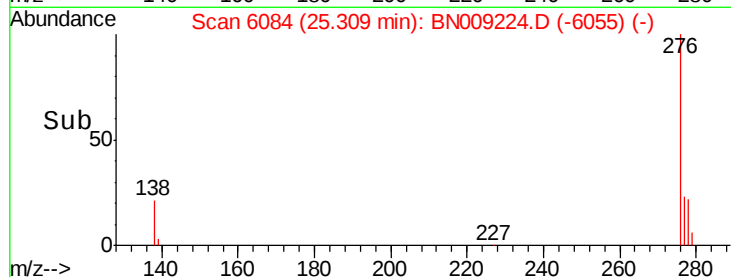
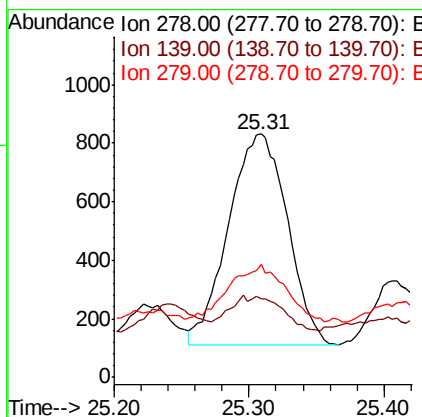
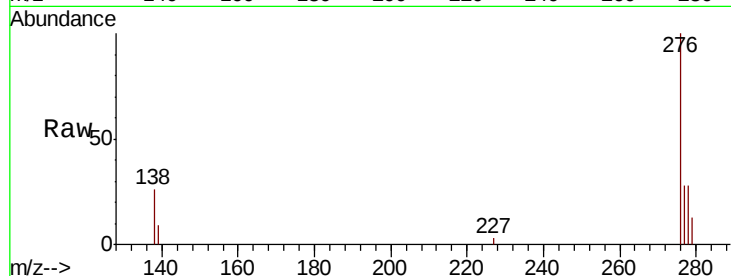
#25
Dibenzo(a,h)anthracene
Concen: 0.094 ng/u1
RT: 25.31 min Scan# 6084
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Instrument :
BNA_N
ClientSampled :
C0C53DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.5	16.2	24.2#
279	46.3	20.3	30.5#

Manual Integrations
APPROVED

mohammad
12/29/2019 5:32:13 PM



#26
Benzo(g,h,i)perylene
Concen: 0.262 ng/u1
RT: 25.93 min Scan# 6270
Delta R.T. -0.00 min
Lab File: BN009224.D
Acq: 28 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.6	30.8
277	27.4	19.6	29.4

