

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
 Data File : BN009264.D
 Acq On : 30 Dec 2019 17:43
 Operator : JU
 Sample : K6322-03DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0C31DL

Manual Integrations
 APPROVED

mohammad
 12/31/2019 12:12:29 PM

Quant Time: Dec 31 01:12:46 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 : Tue Dec 31 00:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2470	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9155	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	4797	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9035	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6589	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6674	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	449	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	856	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	713	0.026	ng/ul#	76
7) Acenaphthylene	13.85	152	2481	0.098	ng/ul#	94
9) Fluorene	15.19	166	836	0.036	ng/ul#	95
12) Phenanthrene	16.92	178	9232	0.294	ng/ul	98
13) Anthracene	17.02	178	3572	0.127	ng/ul	96
15) Fluoranthene	18.95	202	27626	0.769	ng/ul	98
17) Pyrene	19.31	202	26602	0.791	ng/ul	98
18) Benzo(a)anthracene	21.07	228	16094	0.550	ng/ul	98
19) Chrysene	21.12	228	11999	0.408	ng/ul	96
21) Benzo(b)fluoranthene	22.59	252	17241m	0.553	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	6727m	0.214	ng/ul	
23) Benzo(a)pyrene	23.12	252	10665	0.391	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.30	276	5953	0.200	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	1517	0.064	ng/ul#	64
26) Benzo(g,h,i)perylene	25.94	276	5092	0.203	ng/ul	96

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

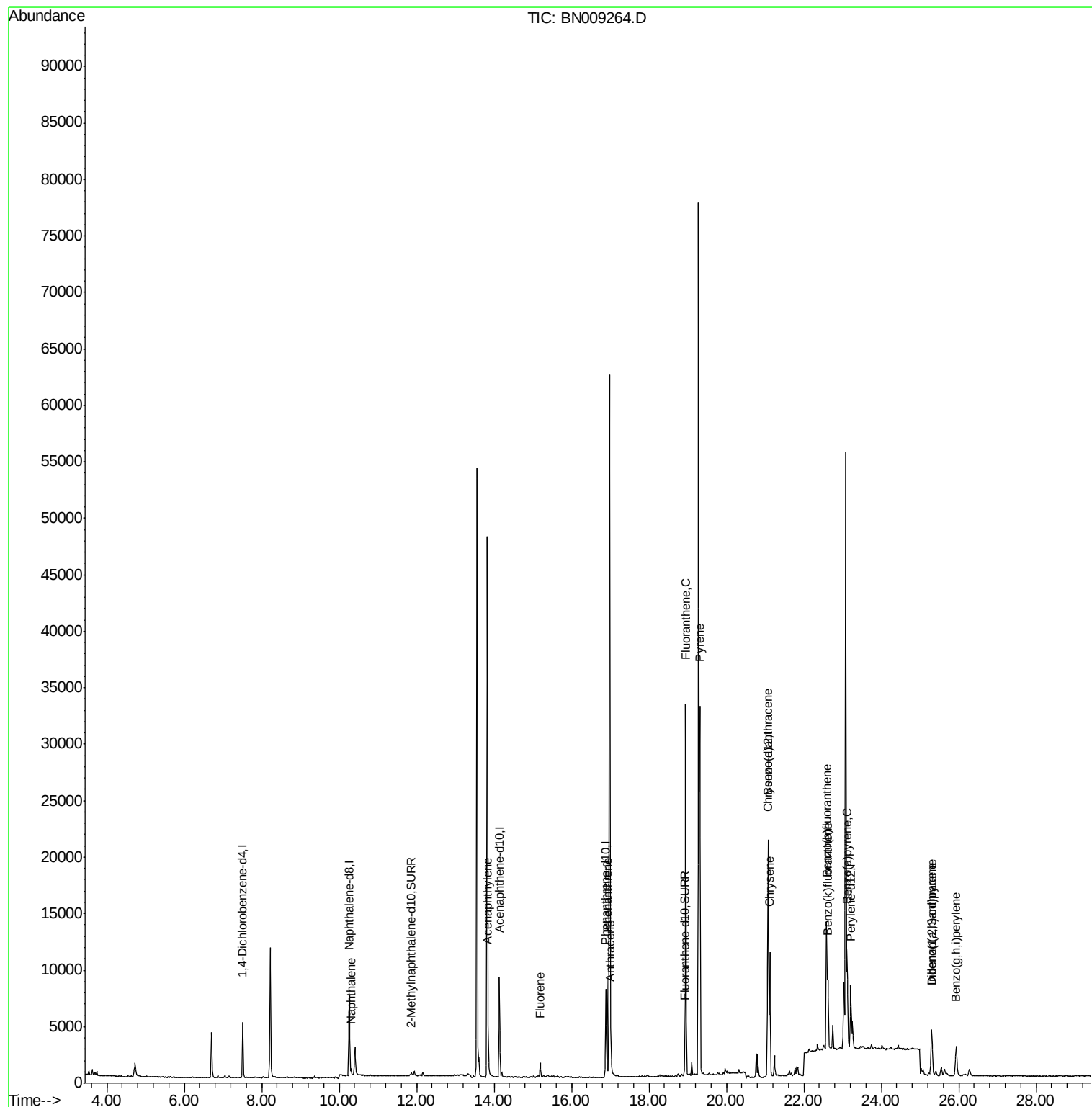
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
Data File : BN009264.D
Acq On : 30 Dec 2019 17:43
Operator : JU
Sample : K6322-03DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

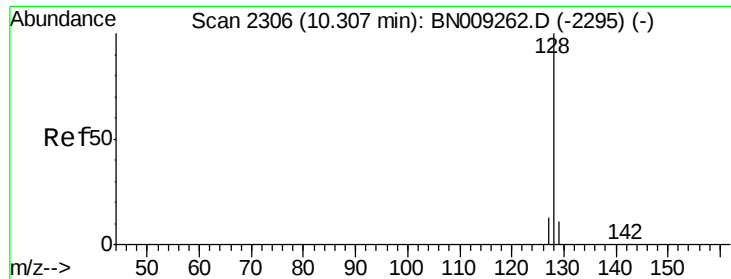
Instrument :
BNA_N
ClientSampleId :
C0C31DL

Manual Integrations
APPROVED

mohammad
12/31/2019 12:12:29 PM

Quant Time: Dec 31 01:12:46 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 : Tue Dec 31 00:59:26 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.026 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

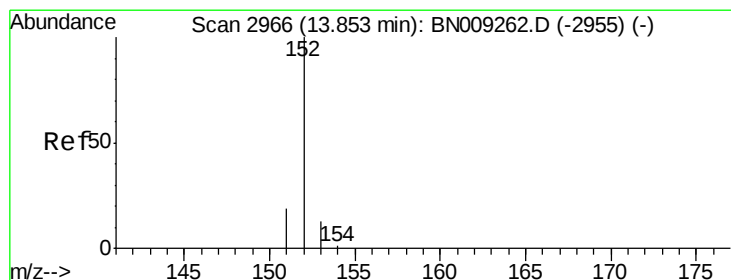
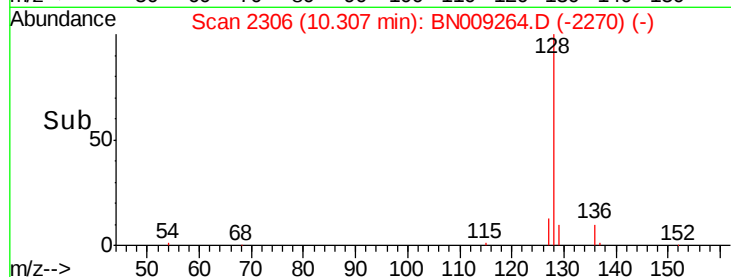
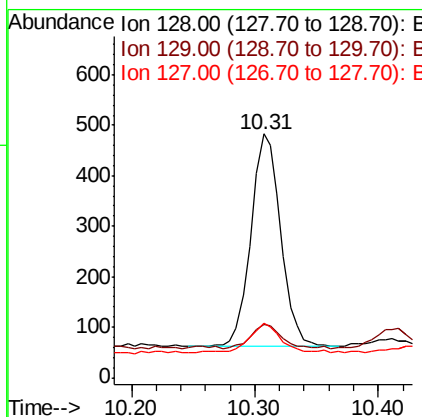
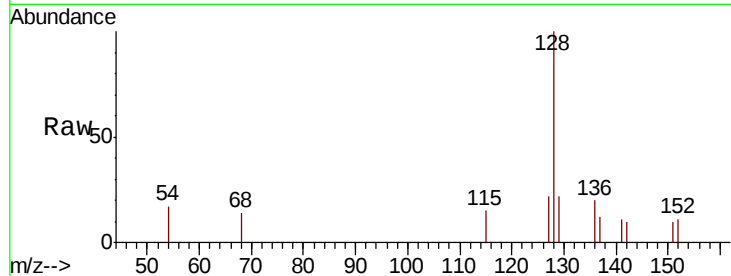
ClientSampleId :

C0C31DL

Tot Ion:	128	Resp:	713
Ion	Ratio	Lower	Upper
128	100		
129	21.9	9.0	13.4#
127	22.2	10.9	16.3#

Manual Integrations
APPROVED

mohammad
12/31/2019 12:12:29 PM



#7

Acenaphthylene

Concen: 0.098 ng/ul

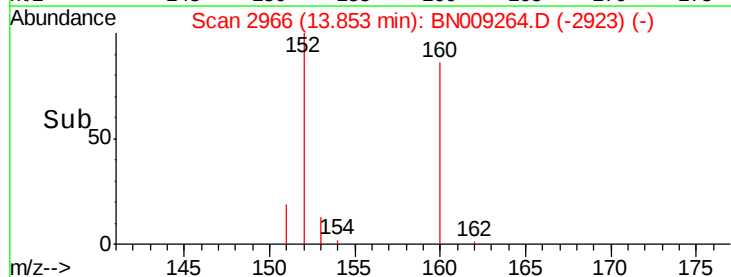
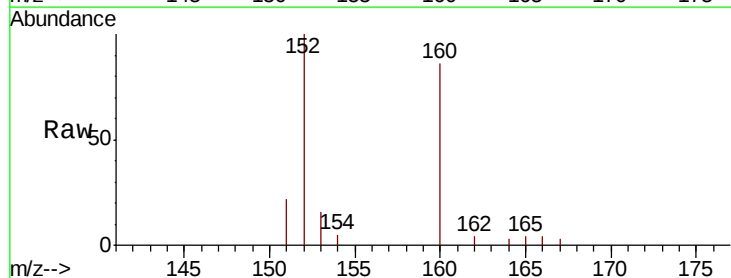
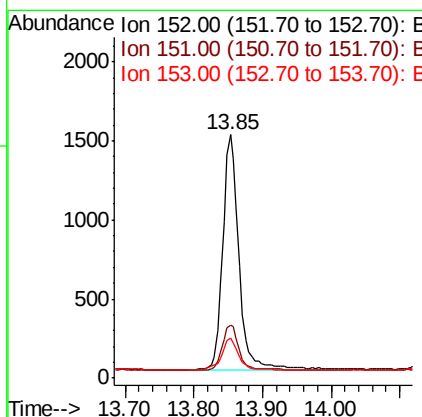
RT: 13.85 min Scan# 2966

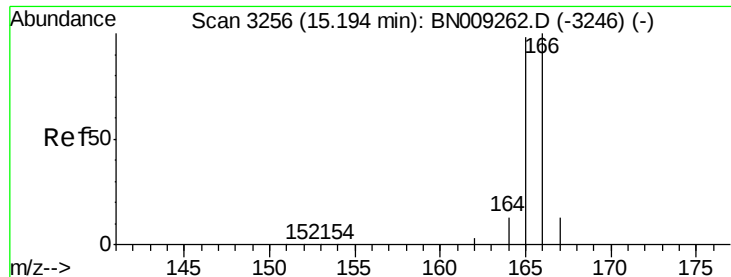
Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Tgt Ion:	152	Resp:	2481
Ion	Ratio	Lower	Upper
152	100		
151	21.8	15.7	23.5
153	16.2	10.8	16.2#





#9

Fluorene

Concen: 0.036 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

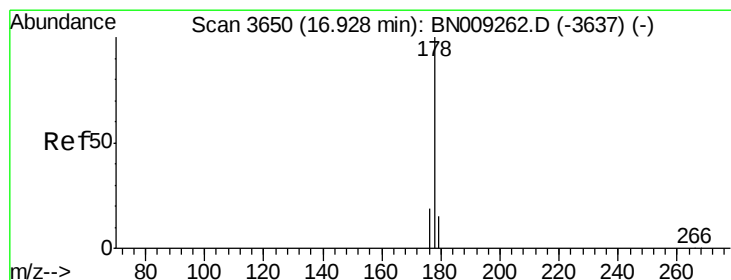
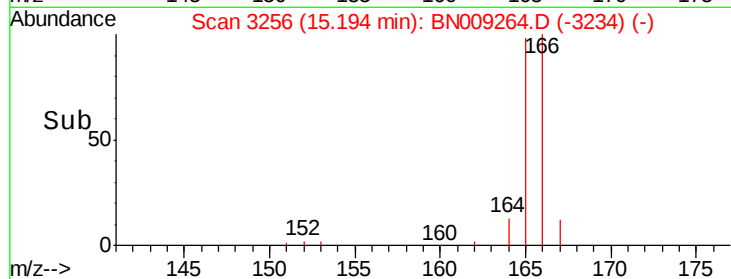
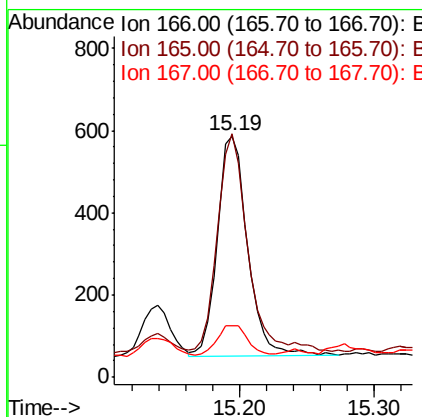
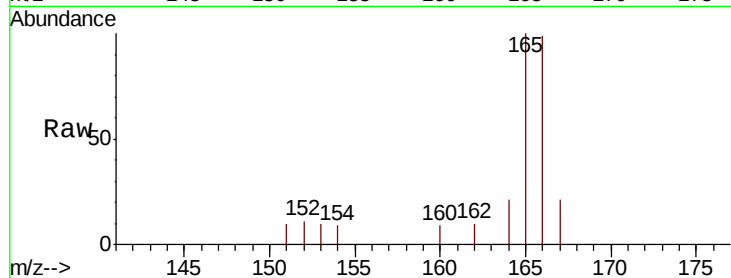
ClientSampleId :

C0C31DL

Tot Ion:	166	Resp:	836
Ion Ratio	Lower	Upper	
166	100		
165	100.9	78.2	117.4
167	21.5	11.0	16.6#

Manual Integrations
APPROVED

mohammad
12/31/2019 12:12:29 PM



#12

Phenanthrene

Concen: 0.294 ng/ul

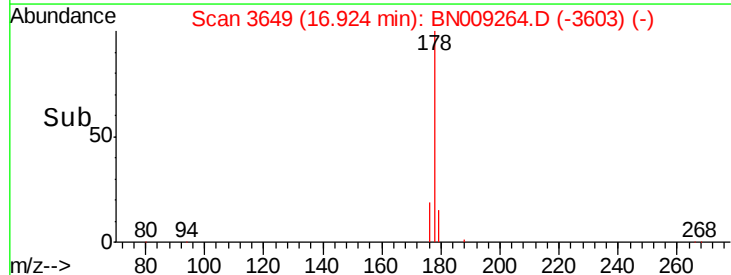
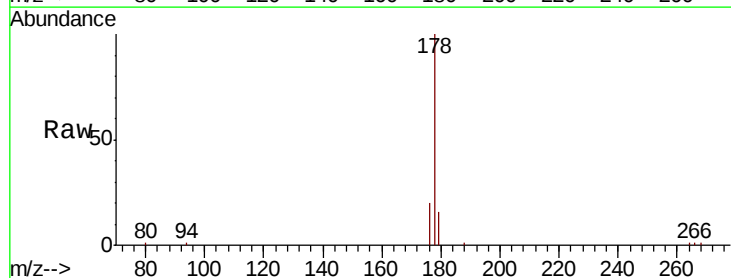
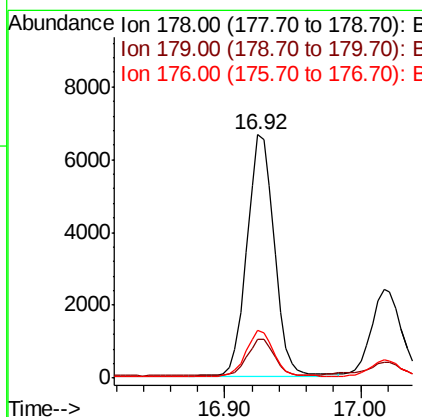
RT: 16.92 min Scan# 3649

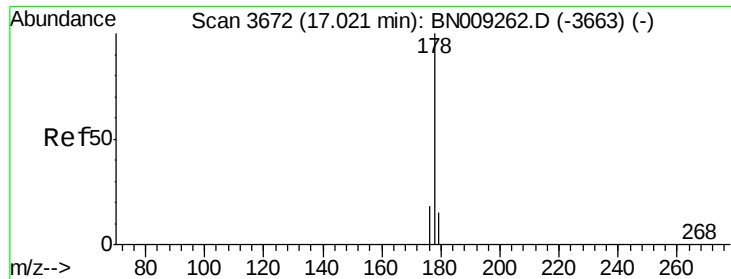
Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Tgt Ion:	178	Resp:	9232
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.3	18.5
176	19.7	15.1	22.7





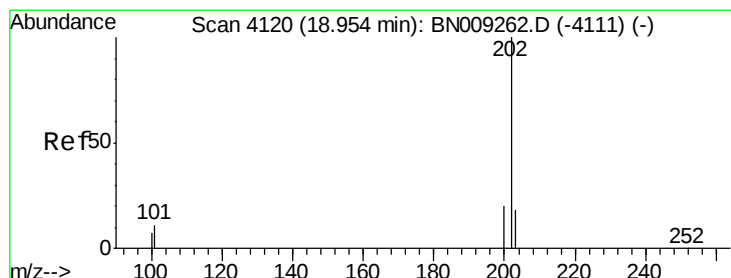
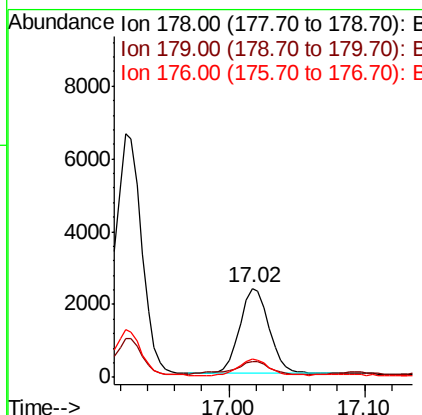
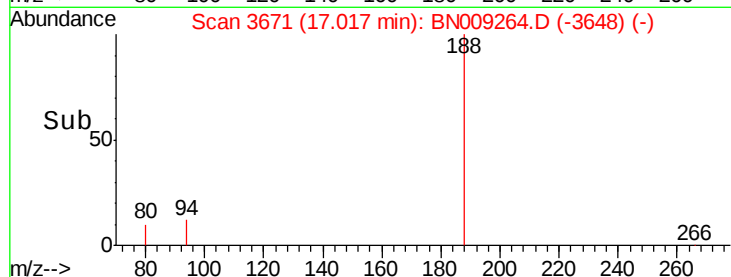
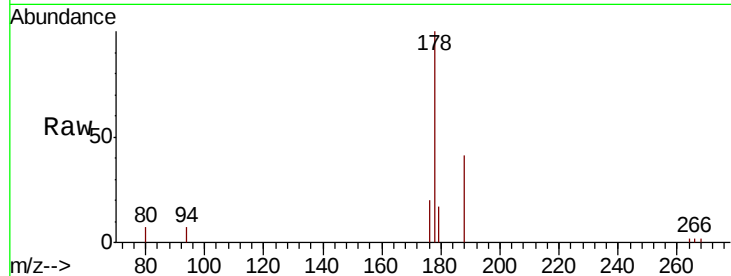
#13
 Anthracene
 Concen: 0.127 ng/ul
 RT: 17.02 min Scan# 3671
 Delta R.T. -0.00 min
 Lab File: BN009264.D
 Acq: 30 Dec 2019 17:43

Instrument :
 BNA_N
 ClientSampleID :
 C0C31DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.5	18.7
176	20.0	14.9	22.3

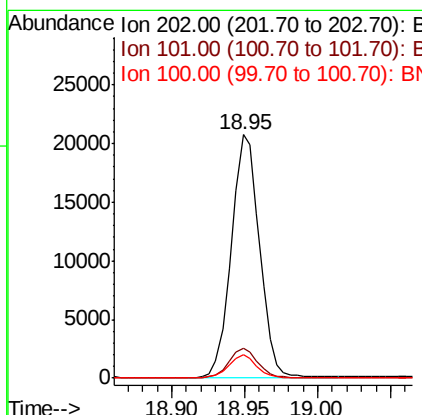
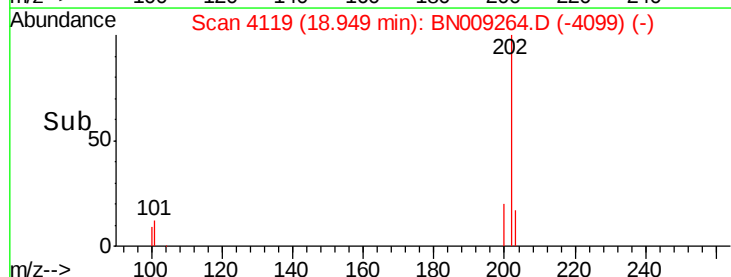
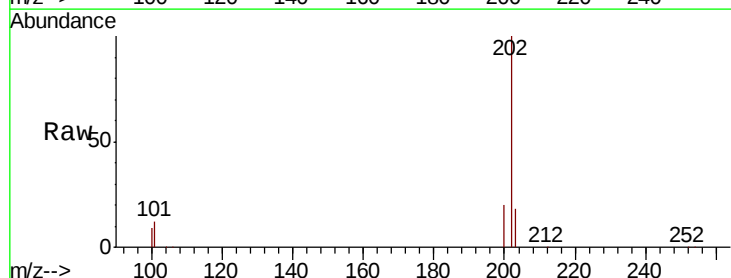
Manual Integrations
 APPROVED

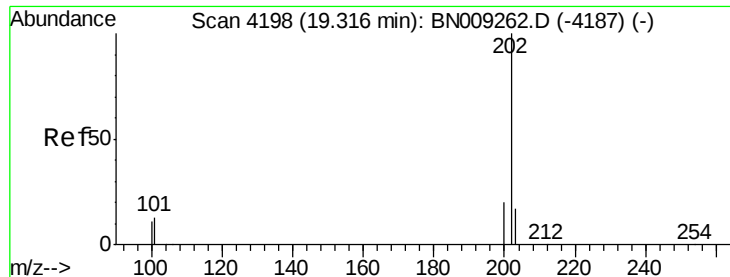
mohammad
 12/31/2019 12:12:29 PM



#15
 Fluoranthene
 Concen: 0.769 ng/ul
 RT: 18.95 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: BN009264.D
 Acq: 30 Dec 2019 17:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.5
100	9.5	0.0	28.9





#17

Pvrene

Concen: 0.791 ng/ul

RT: 19.31 min Scan# 4197

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

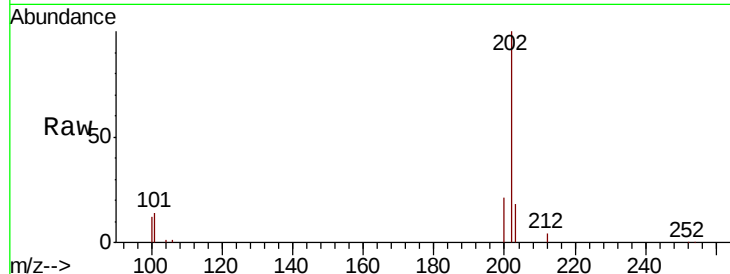
ClientSampleId :

C0C31DL

Tot Ion:	202	Resp:	26602
Ion Ratio	Lower	Upper	
202	100		
101	14.2	10.9	16.3
100	11.9	9.0	13.6

Manual Integrations
APPROVED

mohammad
12/31/2019 12:12:29 PM

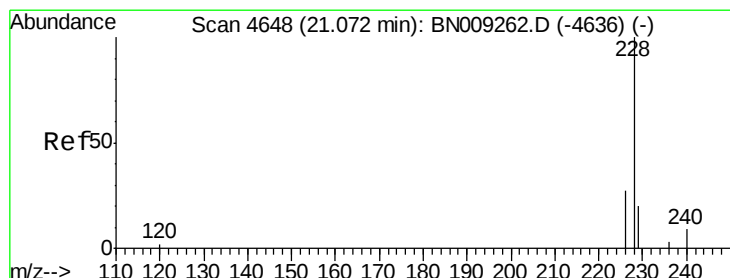
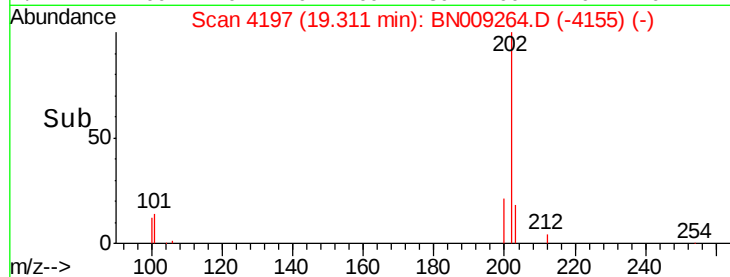
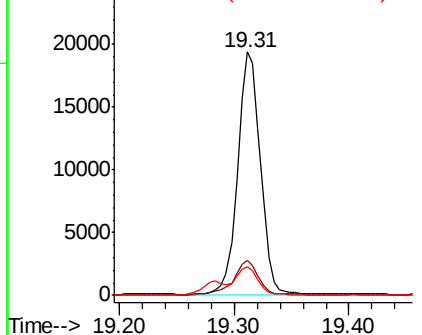


Abundance

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: 0.550 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

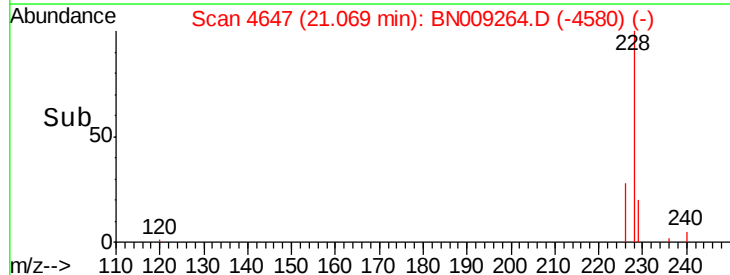
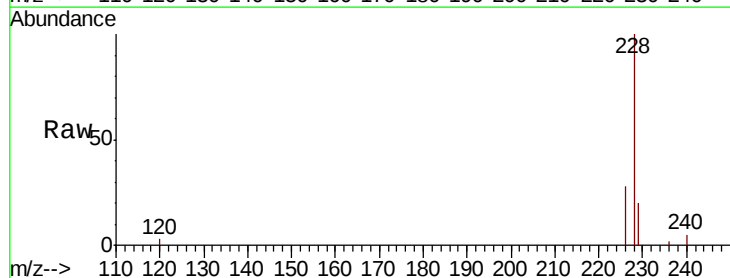
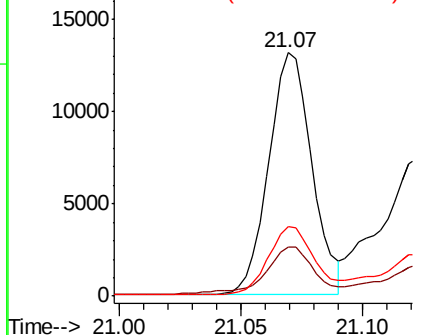
Tgt Ion:	228	Resp:	16094
Ion Ratio	Lower	Upper	
228	100		
229	20.3	15.5	23.3
226	28.5	21.7	32.5

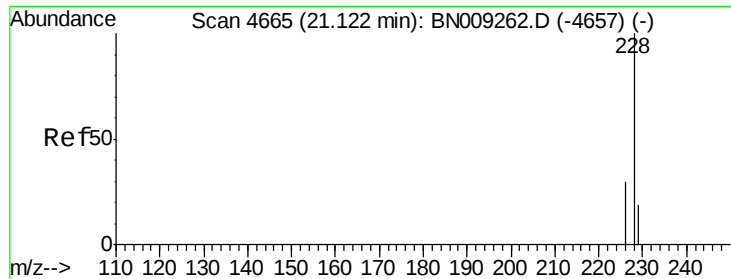
Abundance

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: 0.408 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

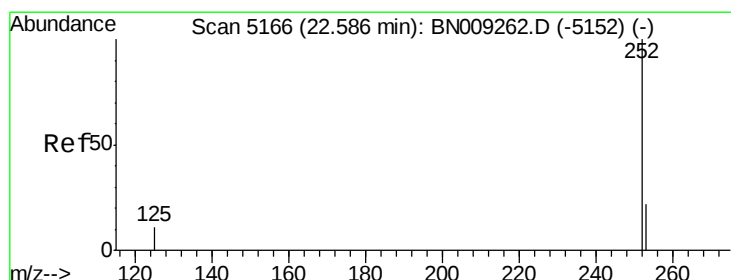
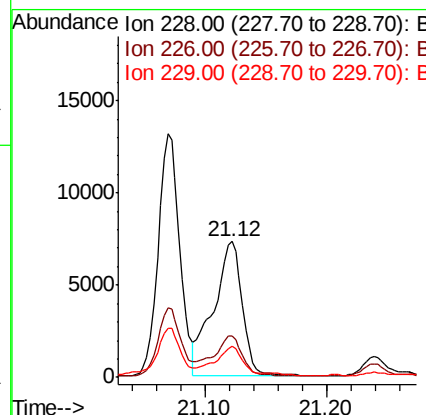
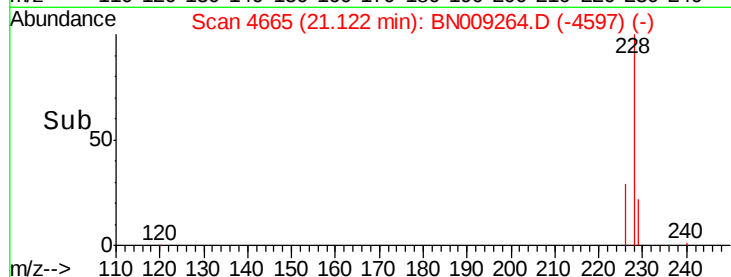
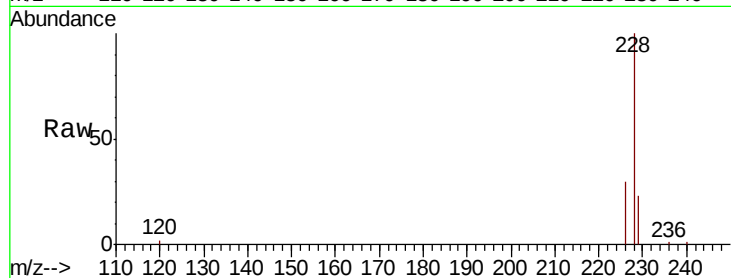
ClientSampleId :

C0C31DL

Tot Ion:	228	Resp:	11999
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.7	35.5
229	22.5	15.4	23.0

Manual Integrations
APPROVED

mohammad
12/31/2019 12:12:29 PM



#21

Benzo(b)fluoranthene

Concen: 0.553 ng/ul m

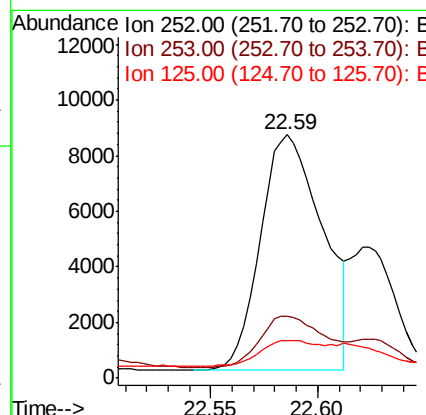
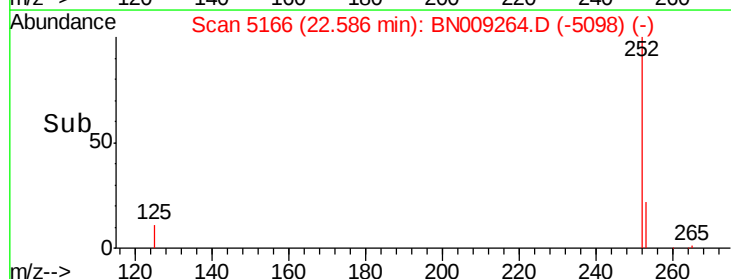
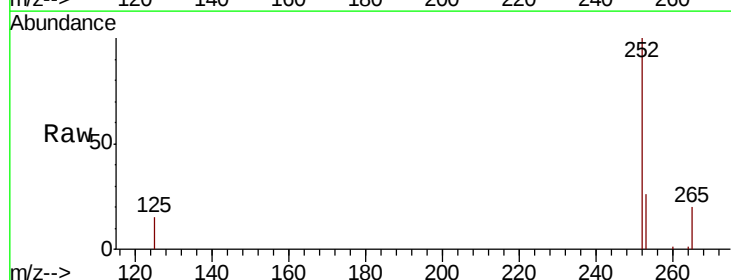
RT: 22.59 min Scan# 5166

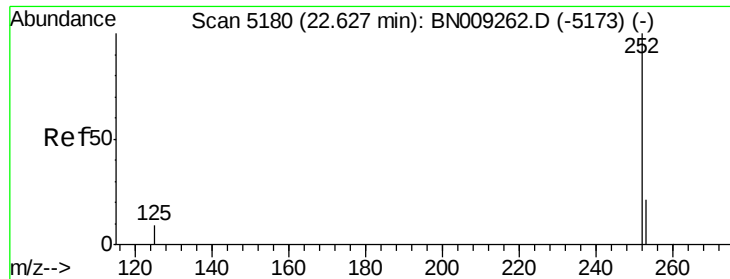
Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Tgt Ion:	252	Resp:	17241
Ion	Ratio	Lower	Upper
252	100		
253	25.6	0.0	48.2
125	15.4	0.0	30.0





#22

Benzo(k)fluoranthene

Concen: 0.214 ng/ul m

RT: 22.62 min Scan# 5179

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

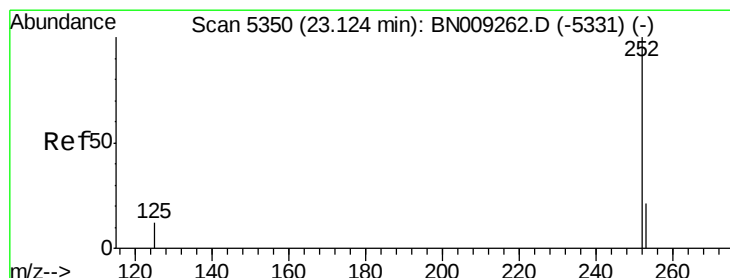
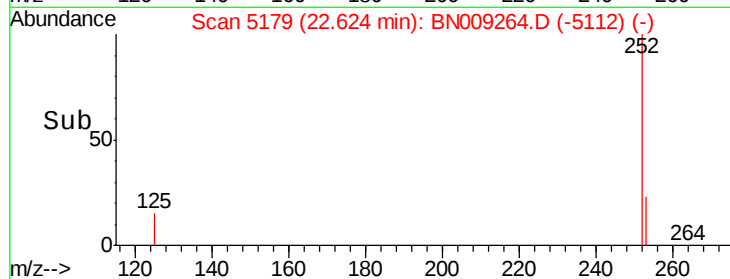
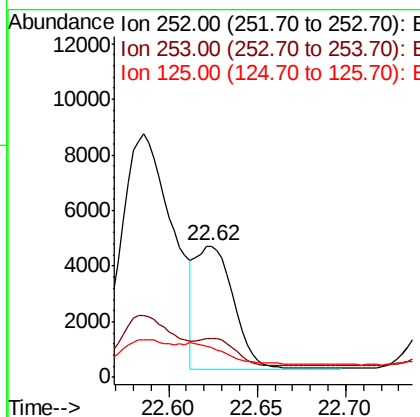
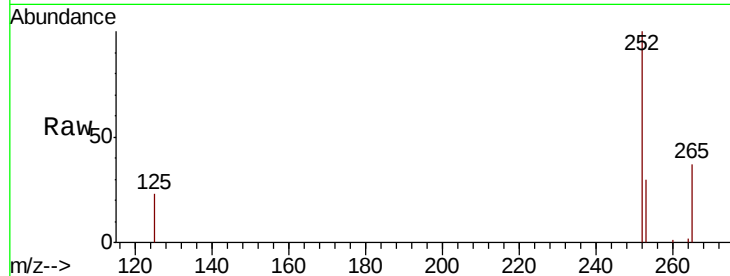
ClientSampleId :

C0C31DL

Tot Ion:	252	Resp:	6727
Ion Ratio	Lower	Upper	
252	100		
253	30.0	19.4	29.0#
125	22.6	12.4	18.6#

Manual Integrations
APPROVED

mohammad
12/31/2019 12:12:29 PM



#23

Benzo(a)pyrene

Concen: 0.391 ng/ul

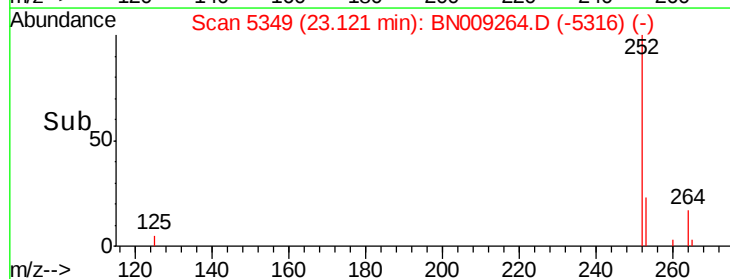
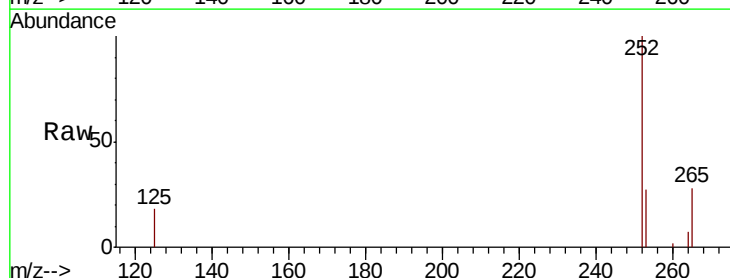
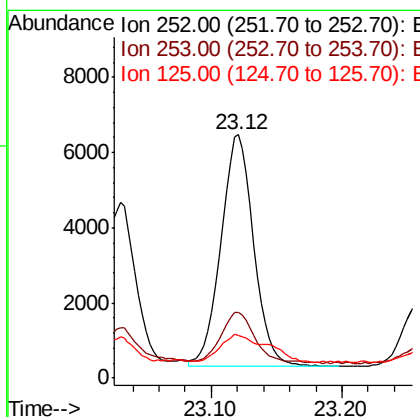
RT: 23.12 min Scan# 5349

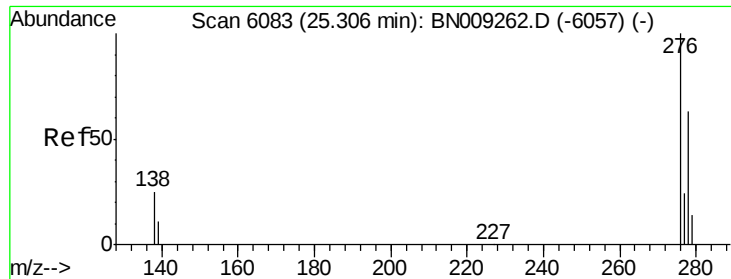
Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Tgt Ion:	252	Resp:	10665
Ion Ratio	Lower	Upper	
252	100		
253	26.9	20.2	30.4
125	17.8	13.2	19.8





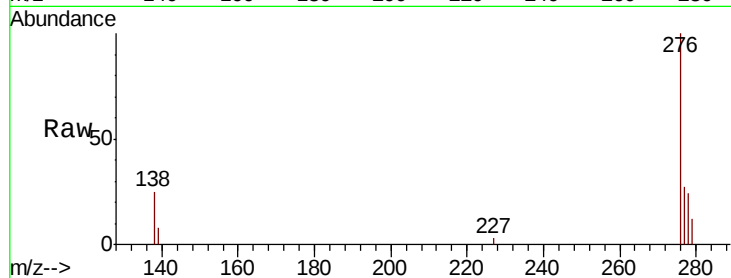
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.200 ng/uL
RT: 25.30 min Scan# 6082
Delta R.T. -0.00 min
Lab File: BN009264.D
Acq: 30 Dec 2019 17:43

Instrument :
BNA_N
ClientSampleId :
C0C31DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	22.4	33.6#
227	0.2	0.2	0.4#

Manual Integrations
APPROVED

mohammad
12/31/2019 12:12:29 PM

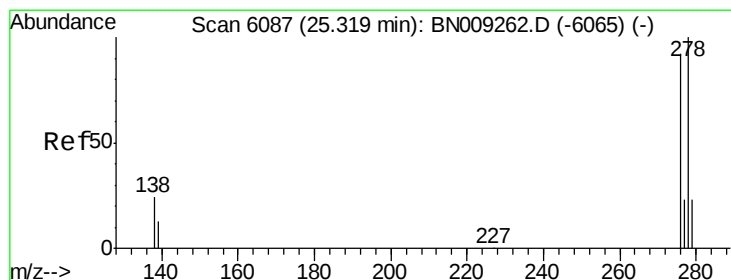
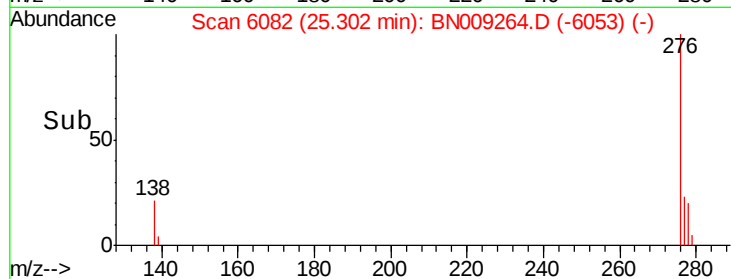
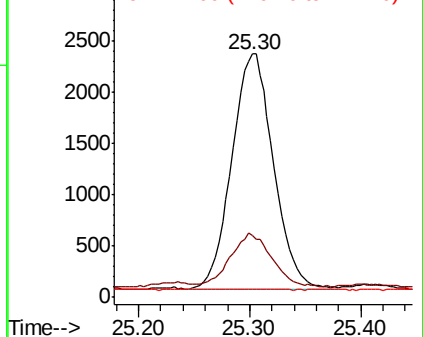


Abundance

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: 0.064 ng/uL
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009264.D
Acq: 30 Dec 2019 17:43

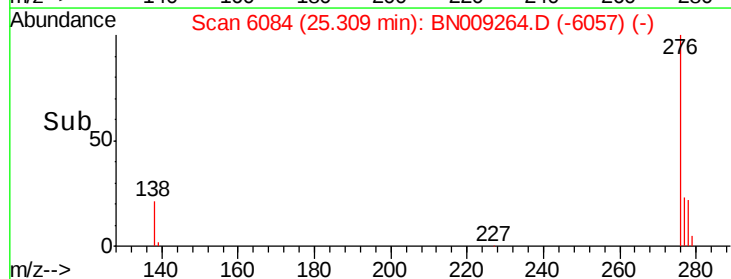
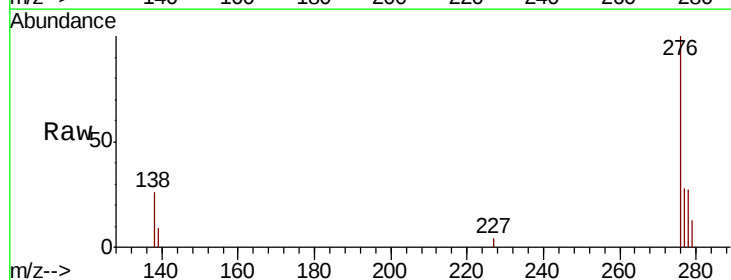
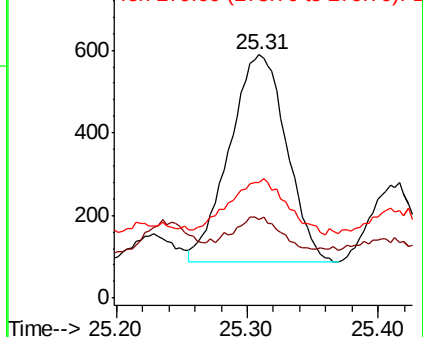
Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.1	16.2	24.2#
279	47.4	20.3	30.5#

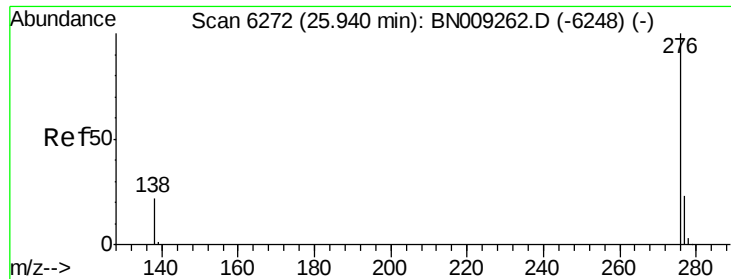
Abundance

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





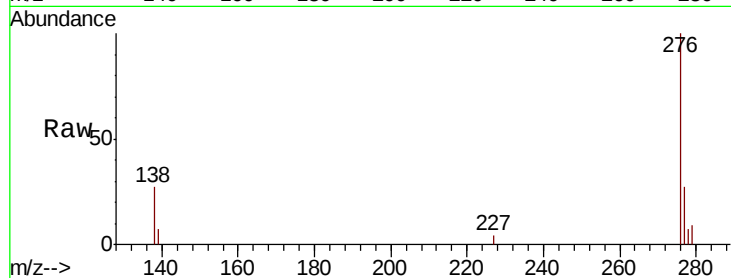
#26
Benzo(a,h,i)perylene
Concen: 0.203 ng/ul
RT: 25.94 min Scan# 6272
Delta R.T. -0.00 min
Lab File: BN009264.D
Acq: 30 Dec 2019 17:43

Instrument :
BNA_N
ClientSampleId :
C0C31DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	20.6	30.8
277	26.8	19.6	29.4

Manual Integrations
APPROVED

mohammad
12/31/2019 12:12:29 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

