

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
 Data File : BN009265.D
 Acq On : 30 Dec 2019 18:19
 Operator : JU
 Sample : K6322-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BT7

Manual Integrations
 APPROVED

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

Quant Time: Dec 31 01:15:58 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	2553	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9654	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	5248	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10104	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6824	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6900	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1415	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	2811	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	1824	0.062	ng/ul#	90
5) 2-Methylnaphthalene	11.93	142	1099	0.050	ng/ul	98
7) Acenaphthylene	13.85	152	7320	0.266	ng/ul	98
8) Acenaphthene	14.20	153	506	0.023	ng/ul	94
9) Fluorene	15.19	166	2604	0.102	ng/ul#	97
12) Phenanthrene	16.92	178	76713	2.183	ng/ul	100
13) Anthracene	17.02	178	13297	0.422	ng/ul	99
15) Fluoranthene	18.95	202	147660	3.674	ng/ul	99
17) Pyrene	19.31	202	114970	3.302	ng/ul	99
18) Benzo(a)anthracene	21.07	228	44889	1.481	ng/ul	98
19) Chrysene	21.12	228	49563	1.628	ng/ul	97
21) Benzo(b)fluoranthene	22.59	252	60599m	1.881	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	23895m	0.736	ng/ul	
23) Benzo(a)pyrene	23.12	252	39849	1.411	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.30	276	28749	0.935	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	6514	0.266	ng/ul#	90
26) Benzo(a,h,i)perylene	25.93	276	27457	1.060	ng/ul	98

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

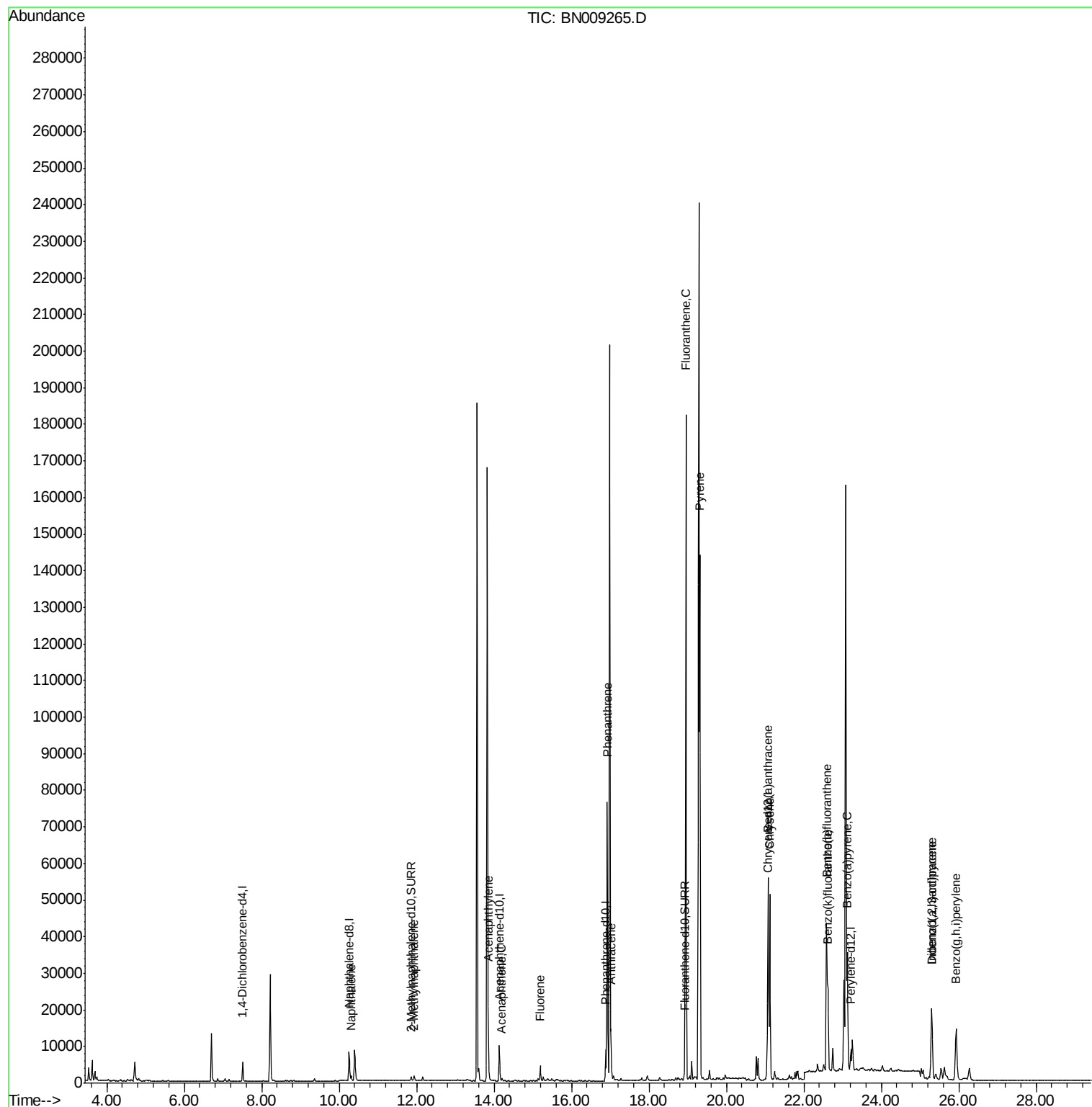
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
Data File : BN009265.D
Acq On : 30 Dec 2019 18:19
Operator : JU
Sample : K6322-12
Misc :
ALS Vial : 14 Sample Multiplier: 1

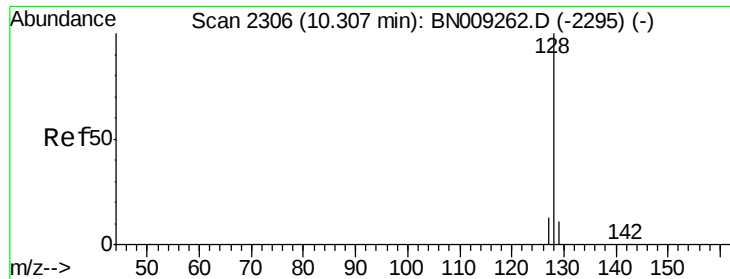
Instrument :
BNA_N
ClientSampleId :
C0BT7

Manual Integrations
APPROVED

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

Quant Time: Dec 31 01:15:58 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: 0.062 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

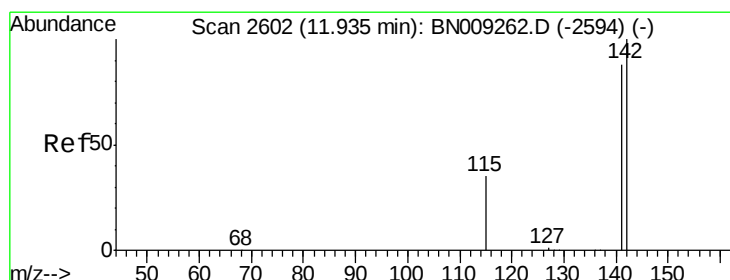
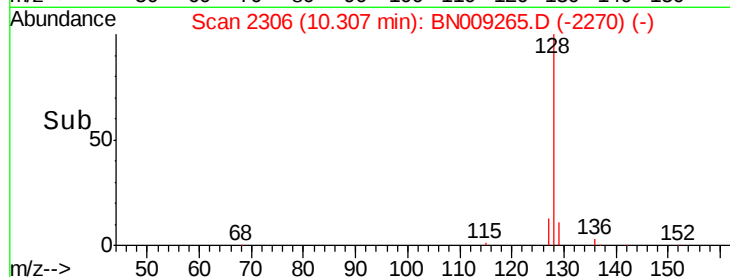
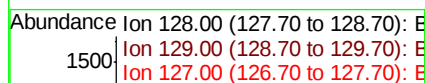
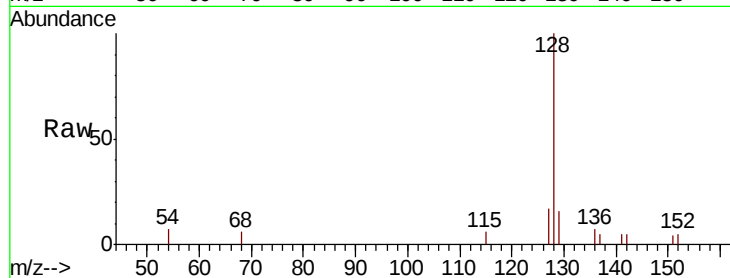
ClientSampleId :

C0BT7

Tot Ion:	128	Resp:	1824
Ion Ratio	Lower	Upper	
128	100		
129	15.6	9.0	13.4#
127	16.7	10.9	16.3#

Manual Integrations
APPROVED

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



#5

2-Methylnaphthalene

Concen: 0.050 ng/ul

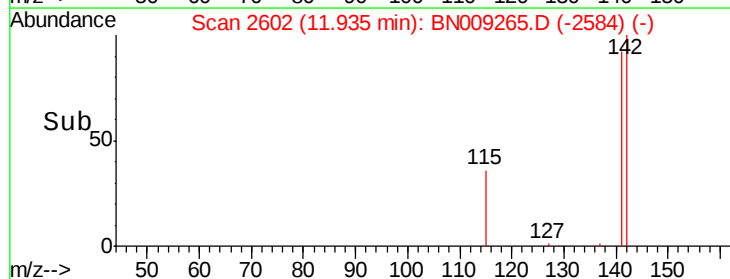
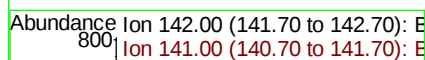
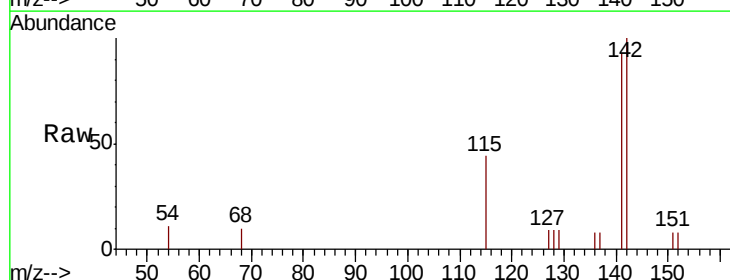
RT: 11.93 min Scan# 2602

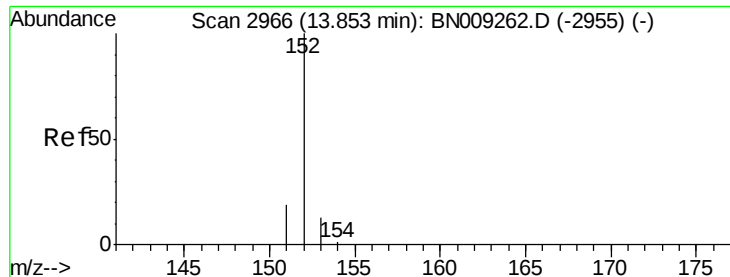
Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Tgt Ion:	142	Resp:	1099
Ion Ratio	Lower	Upper	
142	100		
141	89.5	70.2	105.4





#7

Acenaphthylene

Concen: 0.266 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

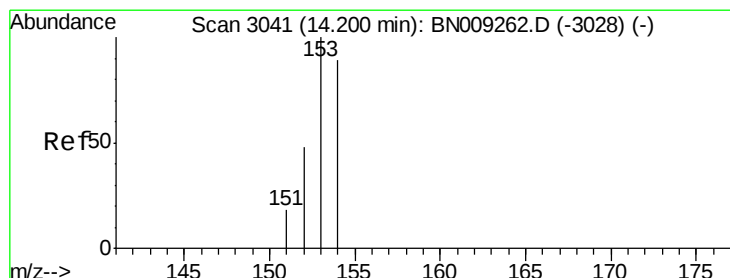
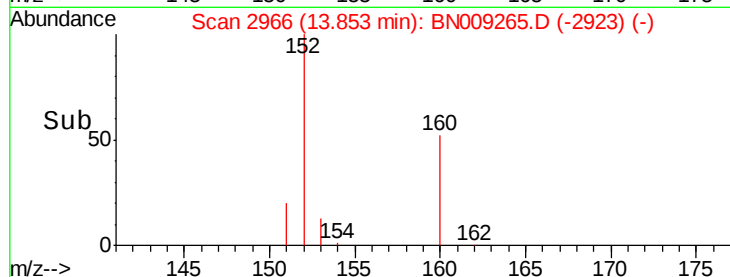
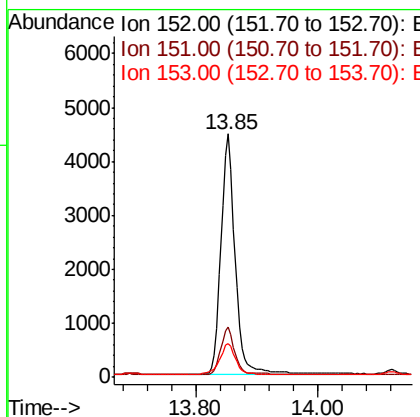
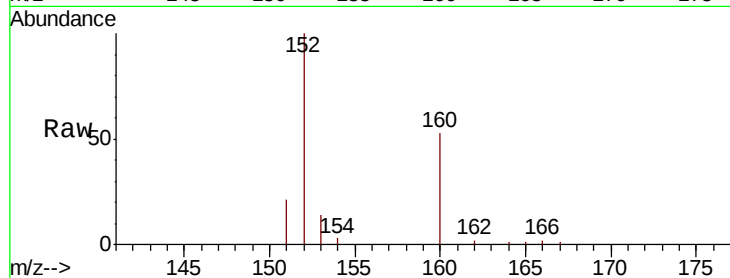
ClientSampleId :

C0BT7

Tot Ion:	152	Resp:	7320
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.7	23.5
153	14.0	10.8	16.2

Manual Integrations
APPROVED

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



#8

Acenaphthene

Concen: 0.023 ng/ul

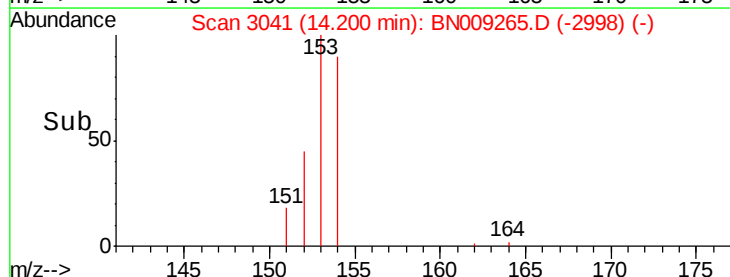
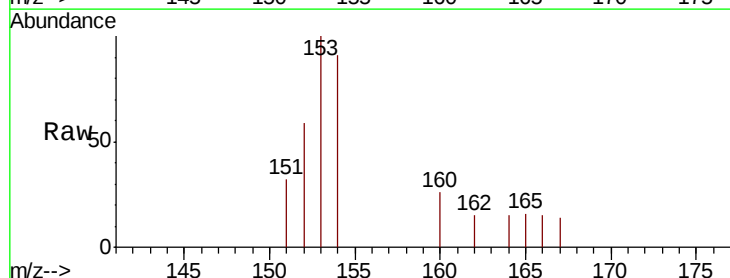
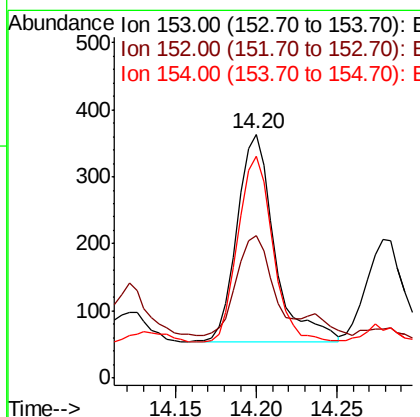
RT: 14.20 min Scan# 3041

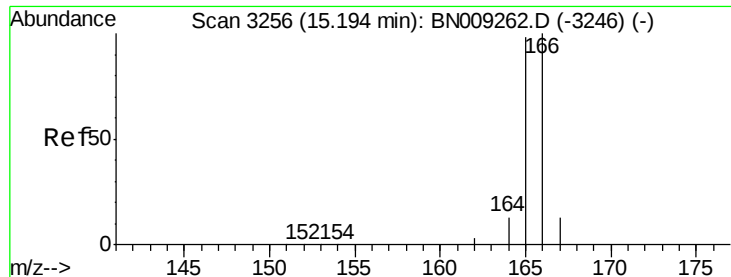
Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Tgt Ion:	153	Resp:	506
Ion Ratio	Lower	Upper	
153	100		
152	58.7	39.5	59.3
154	90.9	71.3	106.9





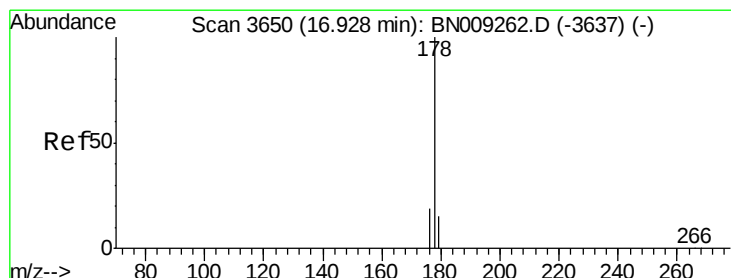
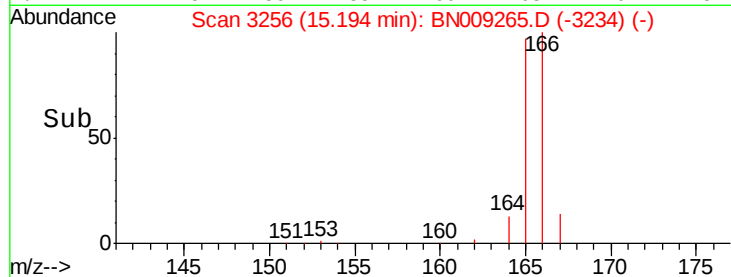
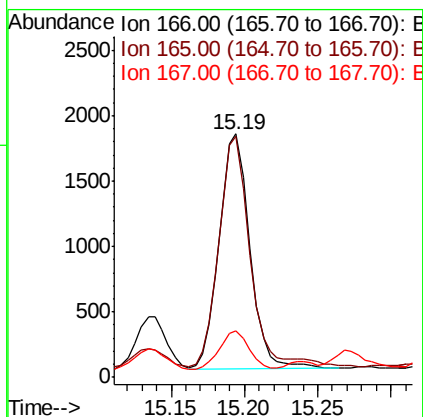
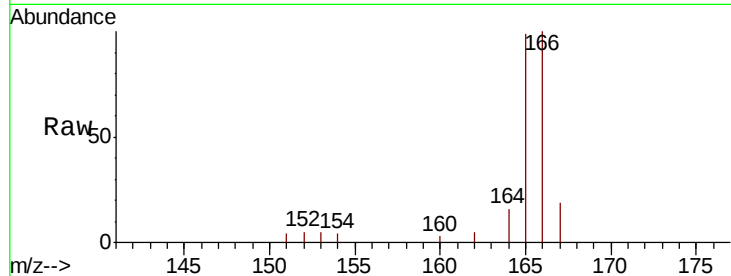
#9
Fluorene
 Concen: 0.102 ng/ul
 RT: 15.19 min Scan# 3256
 Delta R.T. 0.00 min
 Lab File: BN009265.D
 Acq: 30 Dec 2019 18:19

Instrument :
 BNA_N
 ClientSampleId :
 C0BT7

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.4
167	19.0	11.0	16.6

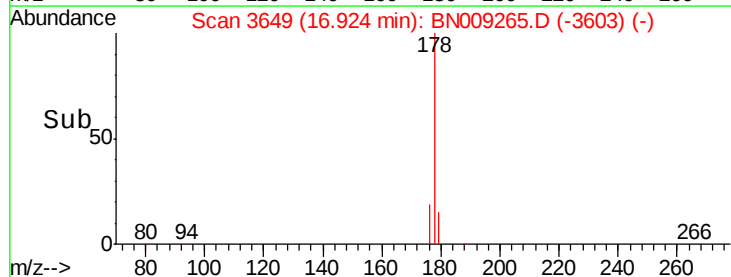
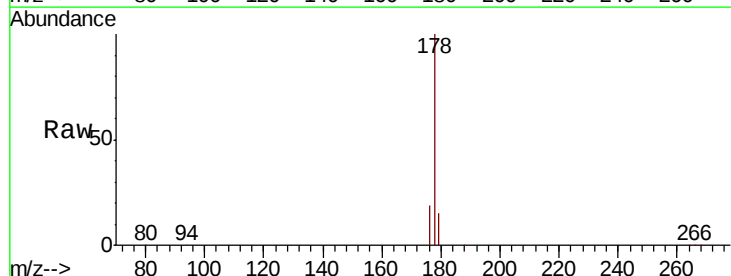
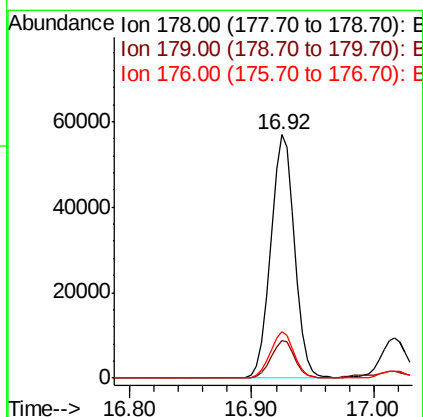
Manual Integrations
 APPROVED

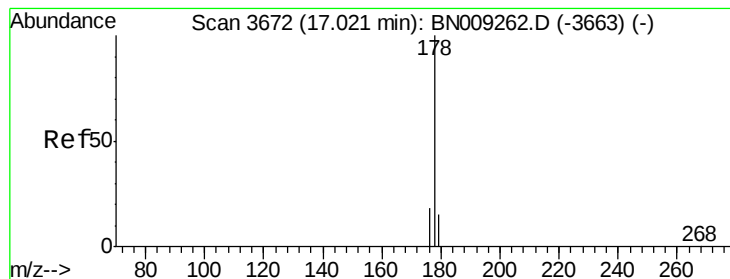
mohammad
 12/31/2019 12:12:31 PM



#12
Phenanthrene
 Concen: 2.183 ng/ul
 RT: 16.92 min Scan# 3649
 Delta R.T. -0.00 min
 Lab File: BN009265.D
 Acq: 30 Dec 2019 18:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.1	15.1	22.7





#13

Anthracene

Concen: 0.422 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

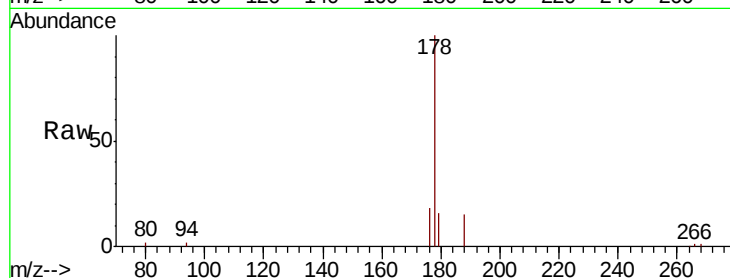
ClientSampleId :

C0BT7

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.5	18.7
176	18.4	14.9	22.3

Manual Integrations
APPROVED

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

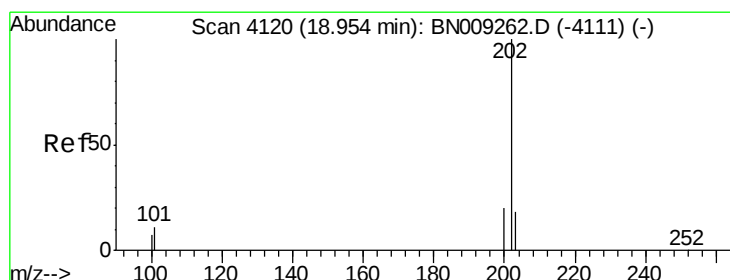
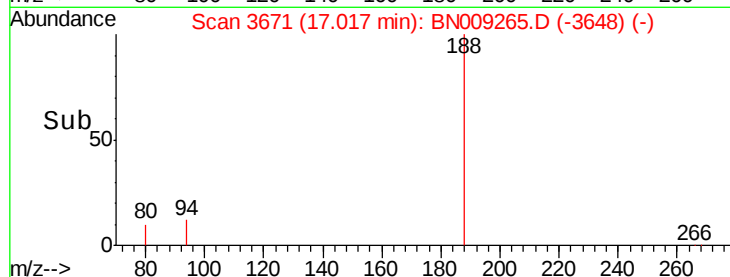
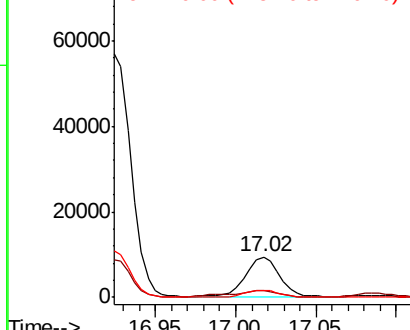


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 3.674 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

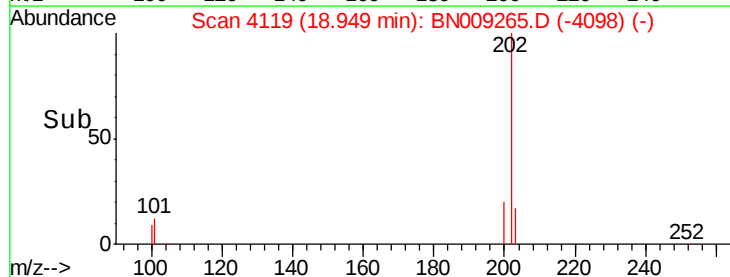
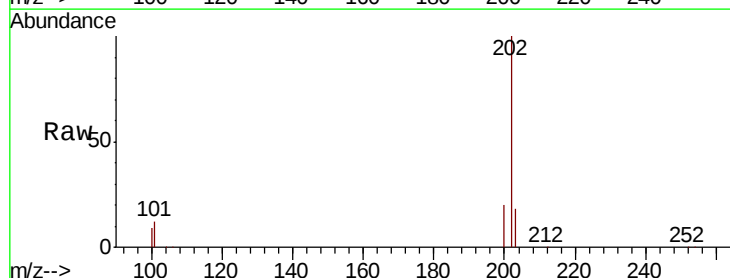
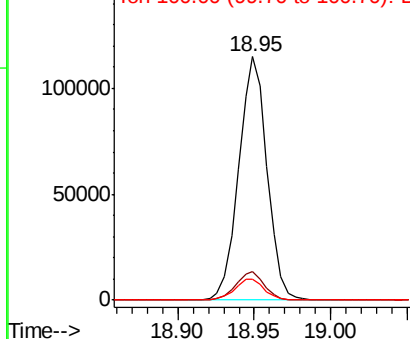
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.5
100	8.8	0.0	28.9

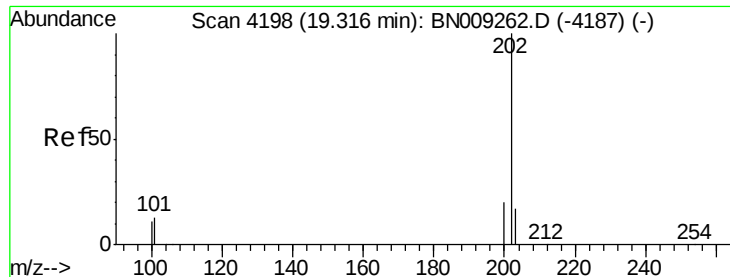
Abundance

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

Pvrene

Concen: 3.302 ng/ul

RT: 19.31 min Scan# 4197

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

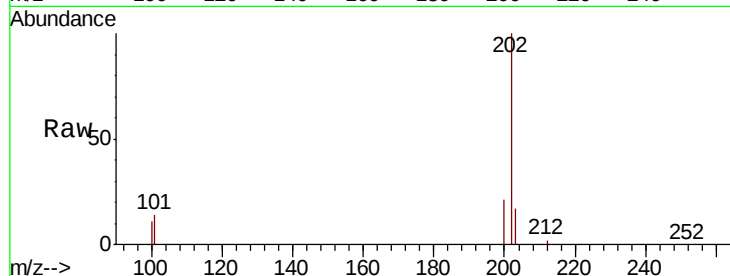
ClientSampleId :

C0BT7

Tot Ion:	202	Resp:	114970
Ion Ratio	Lower	Upper	
202	100		
101	14.1	10.9	16.3
100	11.5	9.0	13.6

Manual Integrations
APPROVED

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

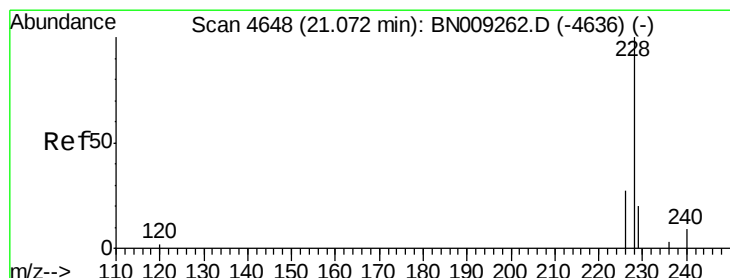
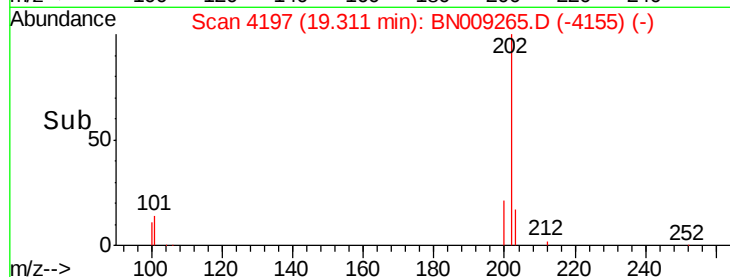
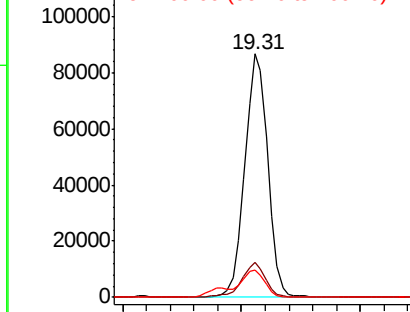


Abundance

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: 1.481 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

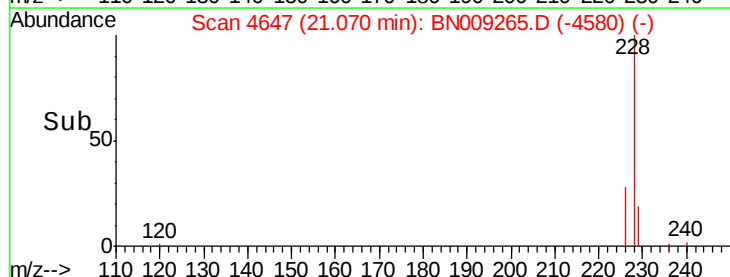
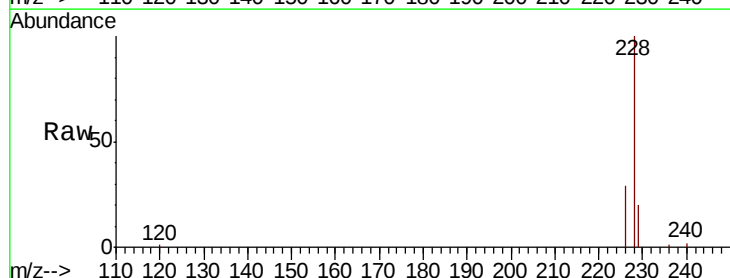
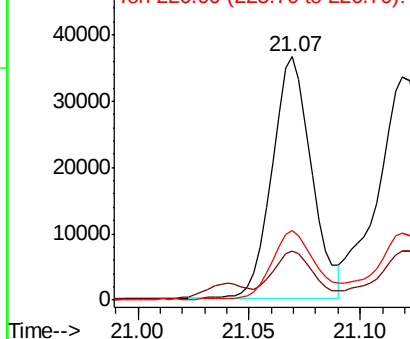
Tgt Ion:	228	Resp:	44889
Ion Ratio	Lower	Upper	
228	100		
229	20.1	15.5	23.3
226	28.5	21.7	32.5

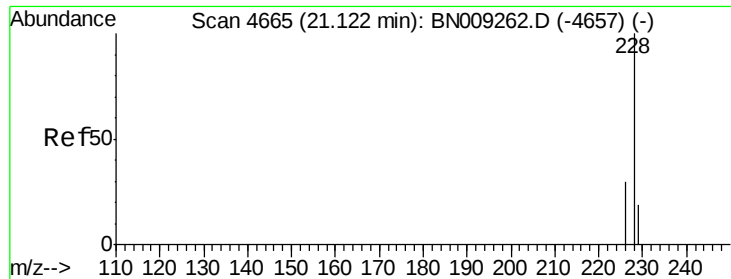
Abundance

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: 1.628 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

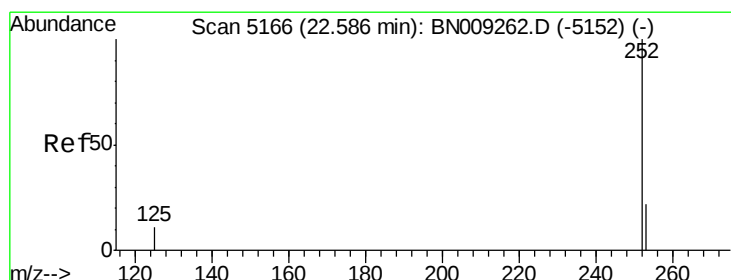
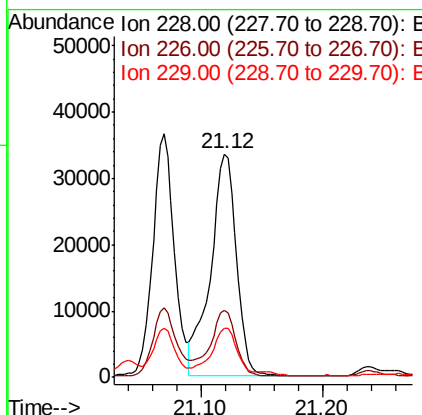
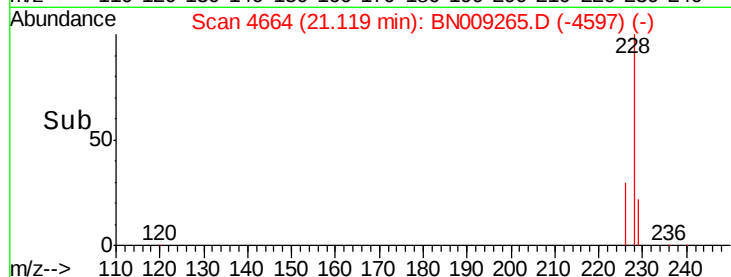
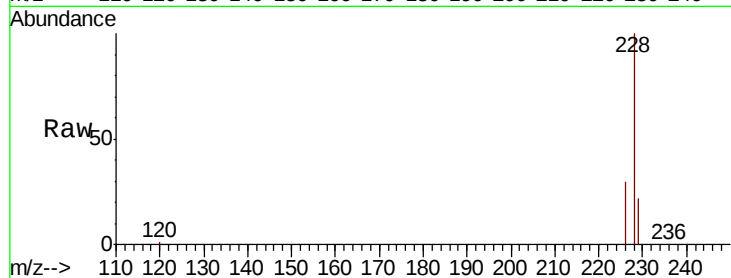
ClientSampleId :

C0BT7

Tot Ion:	228	Resp:	49563
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.7	35.5
229	22.1	15.4	23.0

Manual Integrations
APPROVED

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



#21

Benzo(b)fluoranthene

Concen: 1.881 ng/ul m

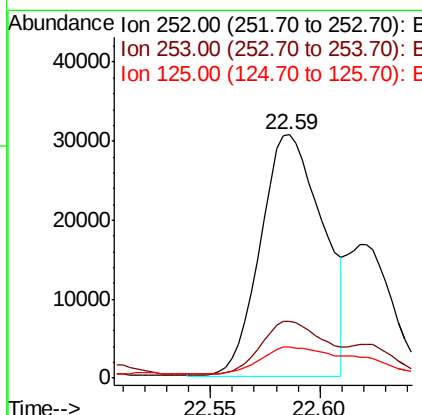
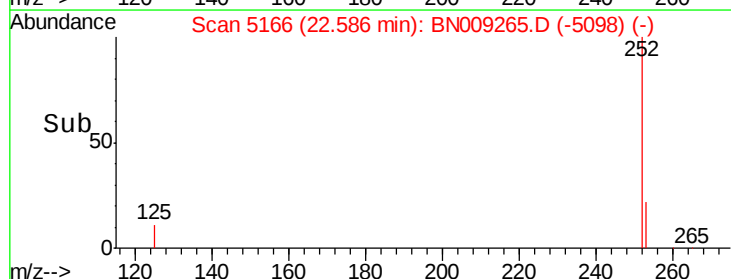
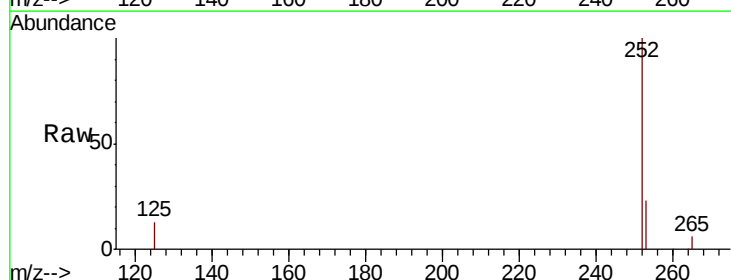
RT: 22.59 min Scan# 5166

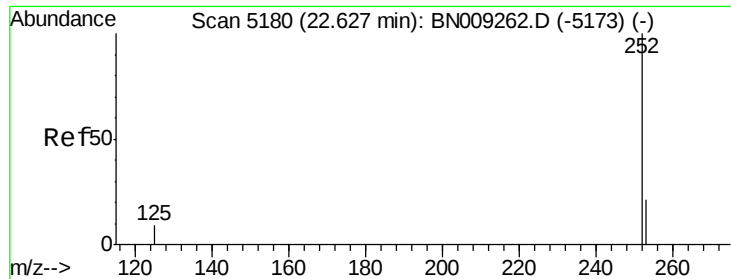
Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Tgt Ion:	252	Resp:	60599
Ion Ratio	Lower	Upper	
252	100		
253	23.3	0.0	48.2
125	12.8	0.0	30.0





#22

Benzo(k)fluoranthene

Concen: 0.736 ng/ul m

RT: 22.62 min Scan# 5178

Delta R.T. -0.01 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

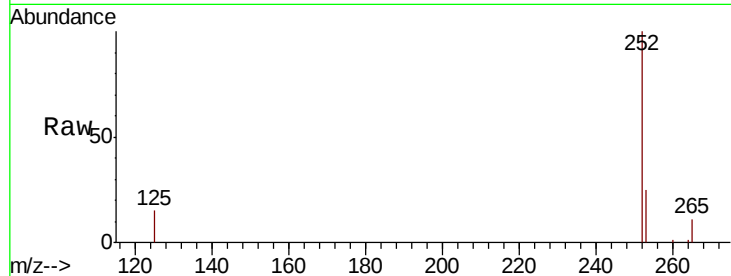
ClientSampleId :

C0BT7

Tot Ion:	252	Resp:	23895
Ion Ratio	Lower	Upper	
252	100		
253	25.5	19.4	29.0
125	15.4	12.4	18.6

Manual Integrations
APPROVED

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

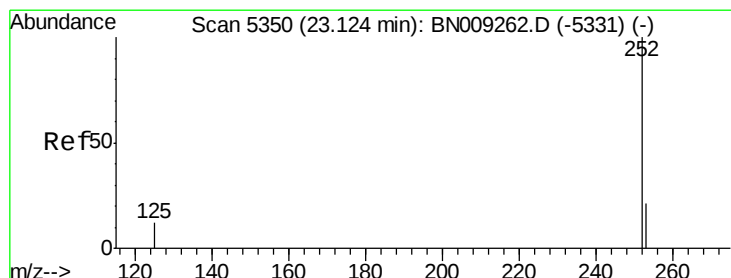
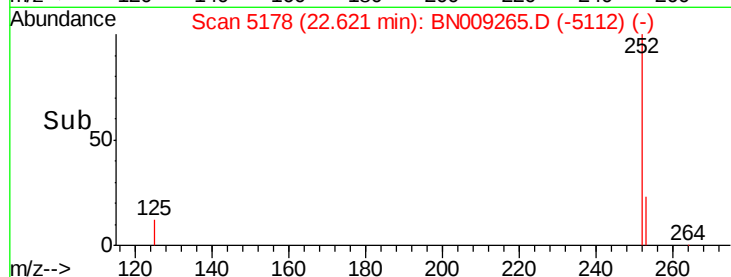
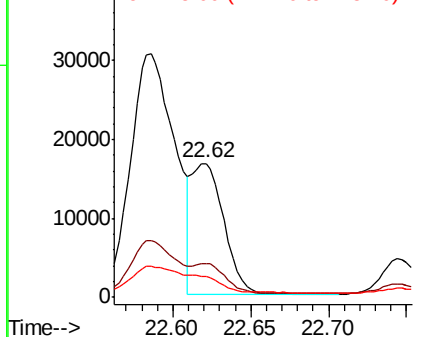


Abundance

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: 1.411 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

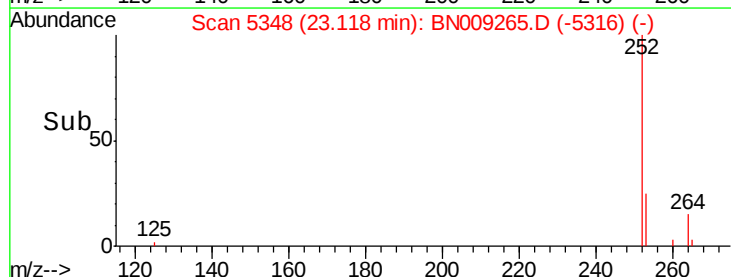
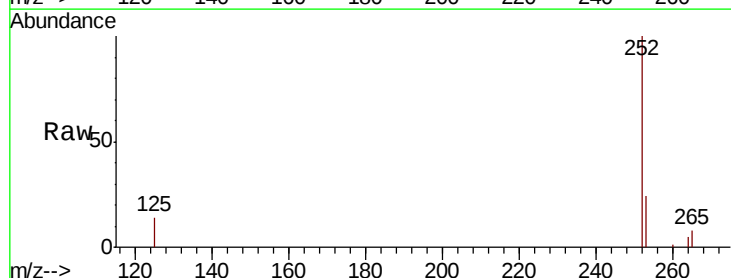
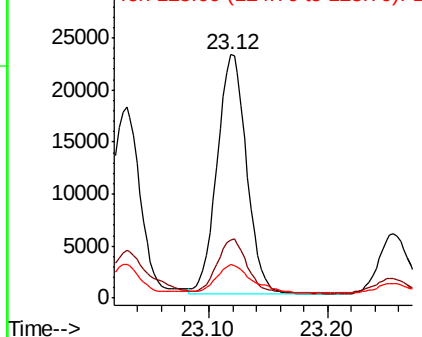
Tgt Ion:	252	Resp:	39849
Ion Ratio	Lower	Upper	
252	100		
253	24.1	20.2	30.4
125	13.7	13.2	19.8

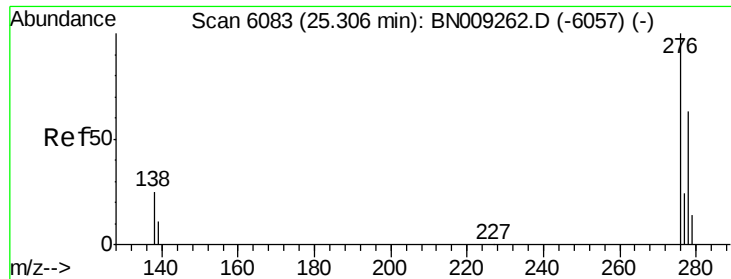
Abundance

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





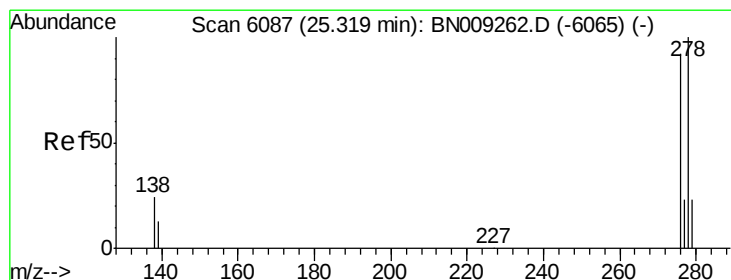
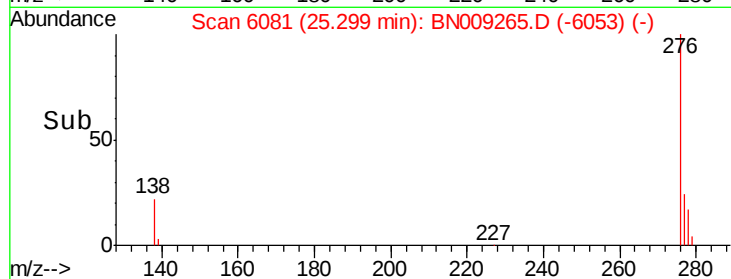
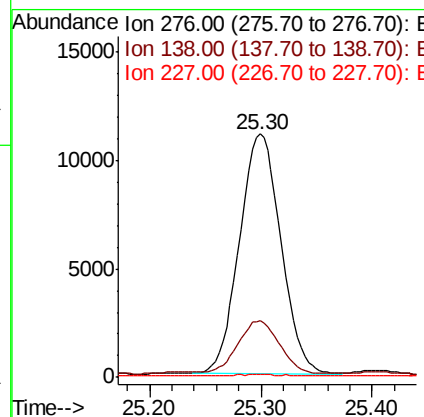
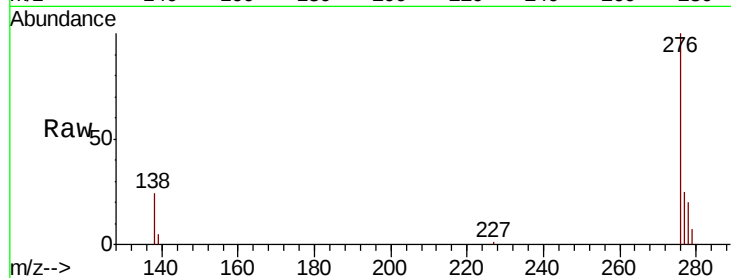
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.935 ng/ul
RT: 25.30 min Scan# 6081
Delta R.T. -0.01 min
Lab File: BN009265.D
Acq: 30 Dec 2019 18:19

Instrument :
BNA_N
ClientSampleId :
C0BT7

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

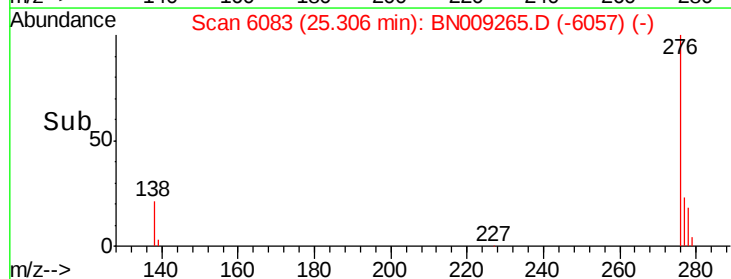
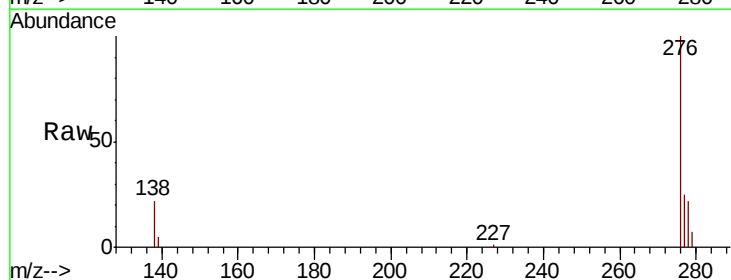
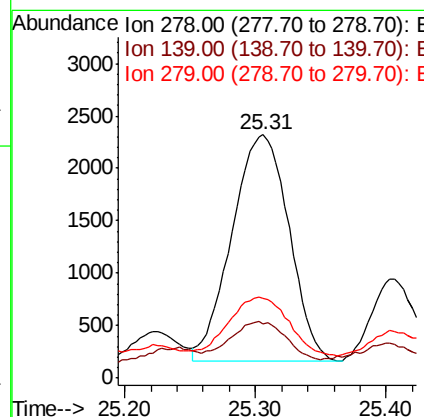
Manual Integrations
APPROVED

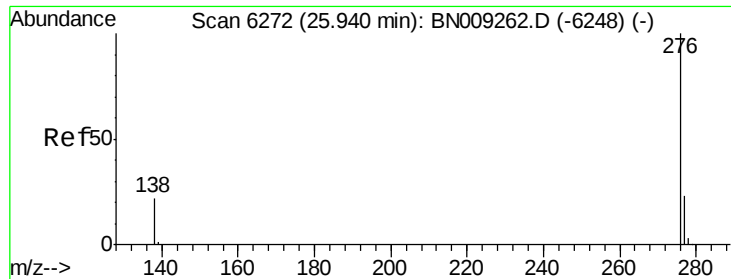
mohammad
12/31/2019 12:12:31 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.266 ng/ul
RT: 25.31 min Scan# 6083
Delta R.T. -0.01 min
Lab File: BN009265.D
Acq: 30 Dec 2019 18:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.2	16.2	24.2
279	32.7	20.3	30.5#





#26
Benzo(a,h,i)perylene
Concen: 1.060 ng/ul
RT: 25.93 min Scan# 6269
Delta R.T. -0.01 min
Lab File: BN009265.D
Acq: 30 Dec 2019 18:19

Instrument :
BNA_N
ClientSampleId :
C0BT7

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	20.6	30.8
277	25.0	19.6	29.4

Manual Integrations
APPROVED

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

