

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
 Data File : BG042038.D
 Acq On : 7 Aug 2019 19:30
 Operator : HP/JU
 Sample : K4029-18
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENT7

Manual Integrations
 APPROVED

mohammad
 8/9/2019 4:29:59 PM

Quant Time: Aug 08 02:48:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 08 01:36:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	72215	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	305416	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	221953	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	489824	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	484854	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	563368	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	4684	2.84	ng/uL	0.00
5) Phenol-d5	7.17	99	95817	16.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	59955	18.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	91318	18.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	53686	11.28	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	51570	22.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	62650	23.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	108445	20.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	98810	16.52	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	417425	24.25	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	452241	23.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	35874	12.41	ng/ul	0.00
57) Fluorene-d10	15.68	176	367516	24.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.79	200	52482	16.70	ng/ul	0.00
70) Anthracene-d10	17.54	188	571382	24.31	ng/ul	0.00
78) Pyrene-d10	19.82	212	651395	24.08	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	724877	24.63	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.20	94	10888	1.861 ng/ul	91
44) Dimethylphthalate	14.13	163	184321	10.784 ng/ul	99
69) Phenanthrene	17.48	178	104795	3.908 ng/ul	99
76) Fluoranthene	19.49	202	136965m	4.421 ng/ul	
79) Pyrene	19.85	202	161859	4.963 ng/ul	96
82) Benzo(a)anthracene	21.70	228	90965	2.706 ng/ul	98
84) Chrysene	21.76	228	93847	2.991 ng/ul	96
87) Benzo(b)fluoranthene	23.95	252	95600	2.704 ng/ul	99
88) Benzo(k)fluoranthene	24.01	252	37126m	1.092 ng/ul	
90) Benzo(a)pyrene	24.83	252	76119	2.259 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.70	276	43148	1.098 ng/ul	96
93) Benzo(g,h,i)perylene	29.86	276	37872m	1.154 ng/ul	

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

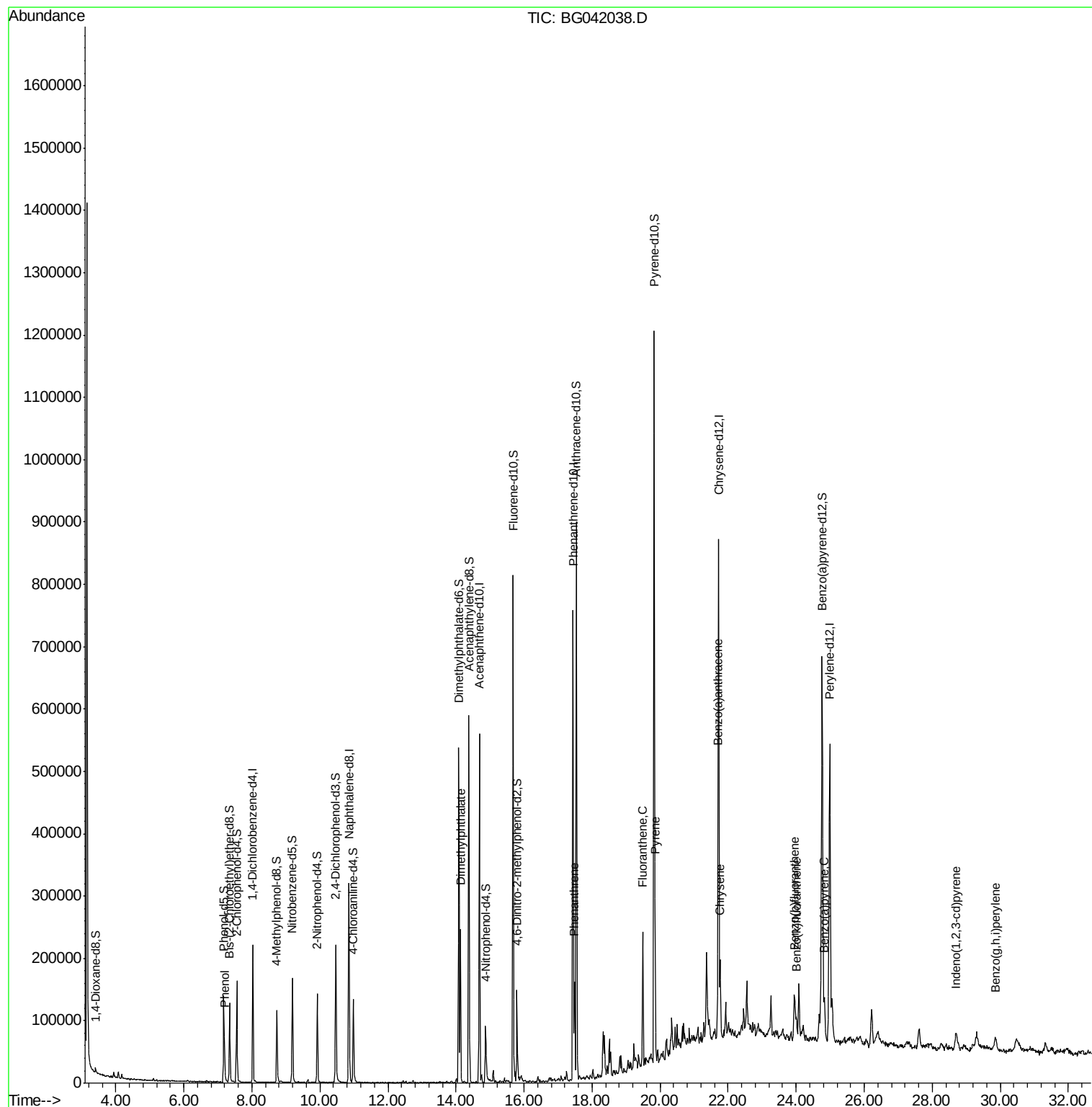
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042038.D
Acq On : 7 Aug 2019 19:30
Operator : HP/JU
Sample : K4029-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

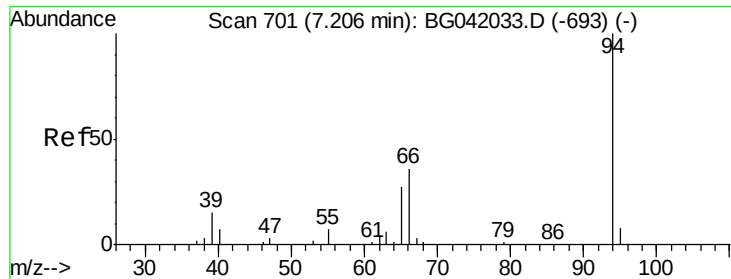
Instrument :
BNA_G
ClientSampleId :
BENT7

Manual Integrations
APPROVED

mohammad
8/9/2019 4:29:59 PM

Quant Time: Aug 08 02:48:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 08 01:36:24 2019
Response via : Initial Calibration





#6

Phenol

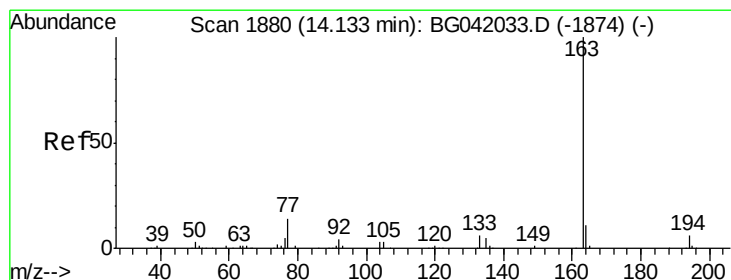
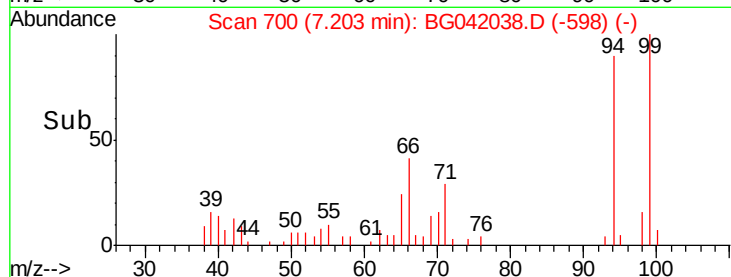
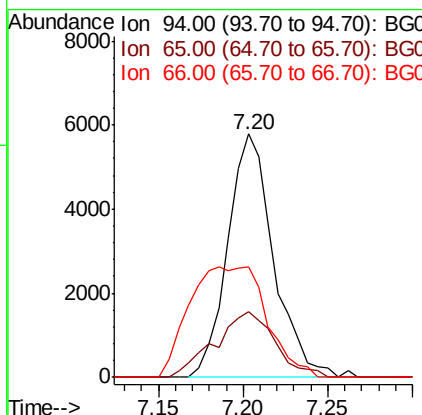
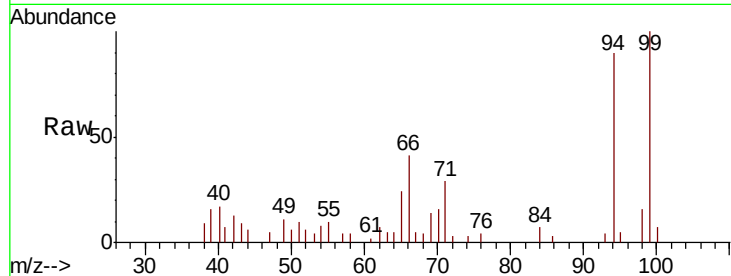
Concen: 1.861 ng/ul
 RT: 7.20 min Scan# 700
 Delta R.T. -0.00 min
 Lab File: BG042038.D
 Acq: 7 Aug 2019 19:30

Instrument :
 BNA_G
 ClientSampleId :
 BENT7

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.9	25.8	38.6
66	45.3	31.8	47.8

Manual Integrations
 APPROVED

mohammad
 8/9/2019 4:29:59 PM

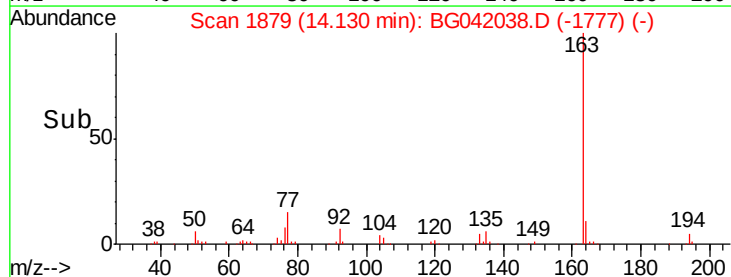
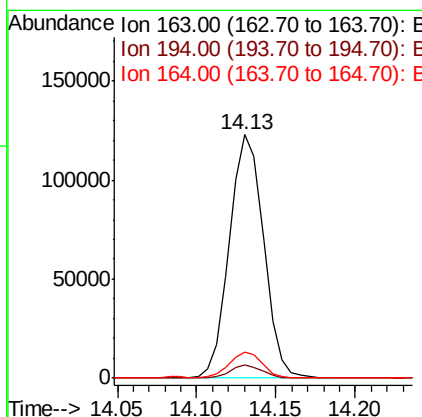
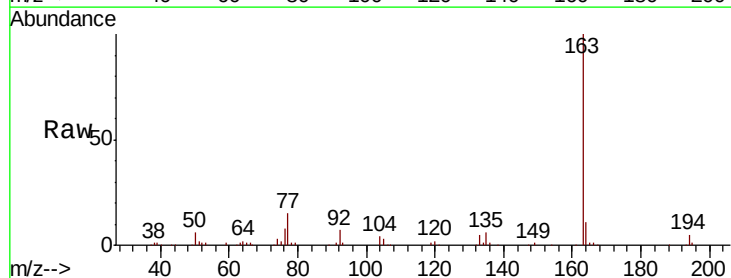


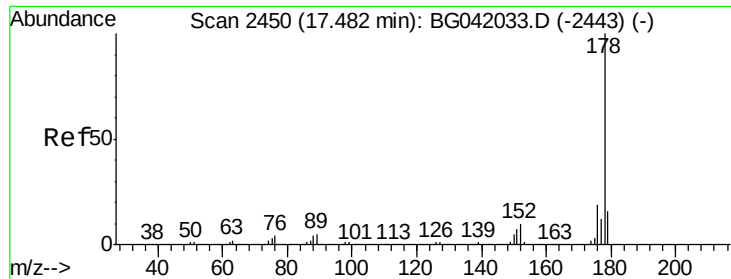
#44

Dimethylphthalate

Concen: 10.784 ng/ul
 RT: 14.13 min Scan# 1879
 Delta R.T. -0.00 min
 Lab File: BG042038.D
 Acq: 7 Aug 2019 19:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	4.2	6.2
164	10.5	7.8	11.8





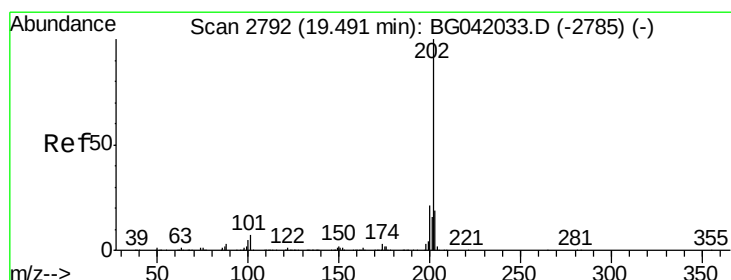
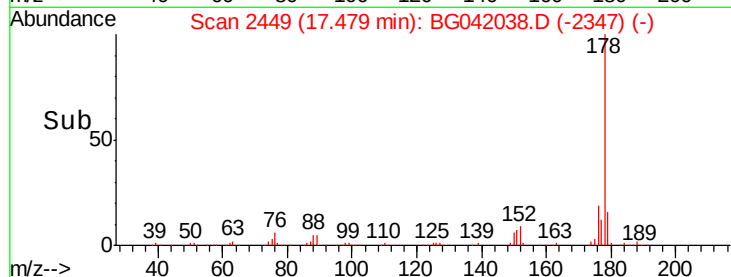
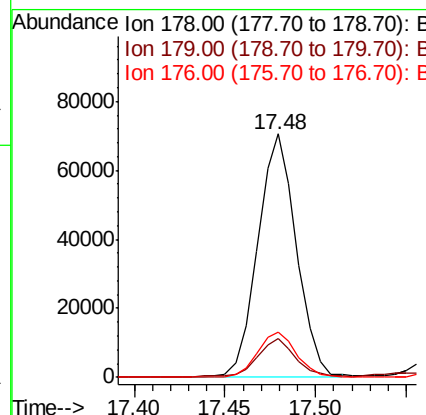
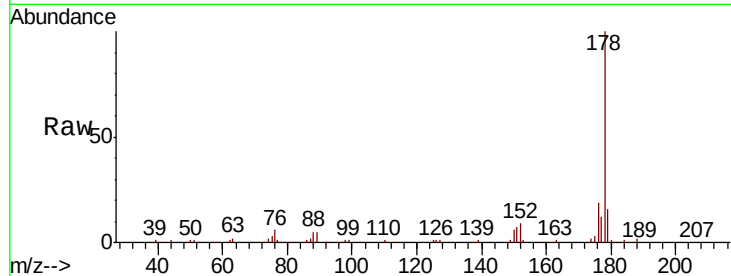
#69
 Phenanthrene
 Concen: 3.908 ng/ul
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.00 min
 Lab File: BG042038.D
 Acq: 7 Aug 2019 19:30

Instrument :
 BNA_G
 ClientSampleId :
 BENT7

Tot Ion:	178	Resp:	104795
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.8	19.2
176	18.6	15.4	23.2

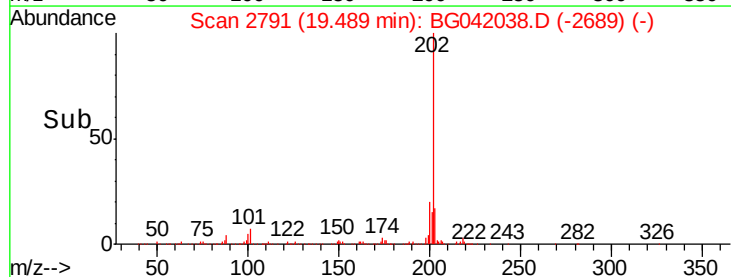
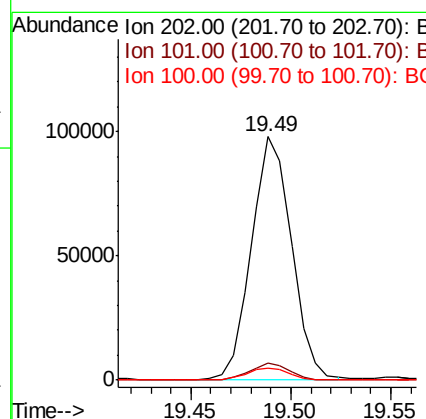
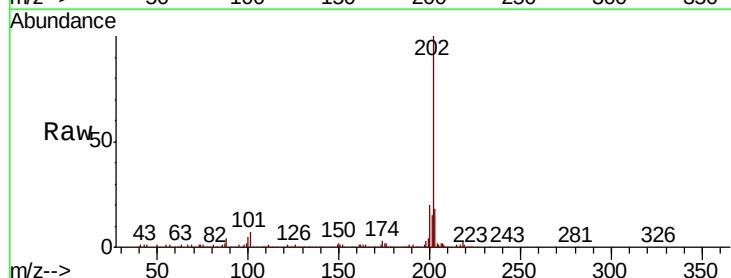
Manual Integrations
 APPROVED

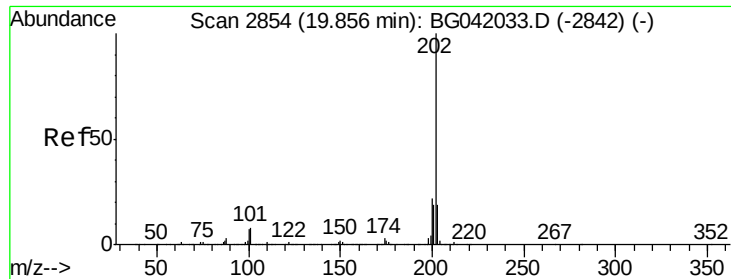
mohammad
 8/9/2019 4:29:59 PM



#76
 Fluoranthene
 Concen: 4.421 ng/ul m
 RT: 19.49 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BG042038.D
 Acq: 7 Aug 2019 19:30

Tgt Ion:	202	Resp:	136965
Ion Ratio	Lower	Upper	
202	100		
101	7.1	6.7	10.1
100	5.1	5.3	7.9#





#79

Pvrene

Concen: 4.963 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG042038.D

Acq: 7 Aug 2019 19:30

Instrument :

BNA_G

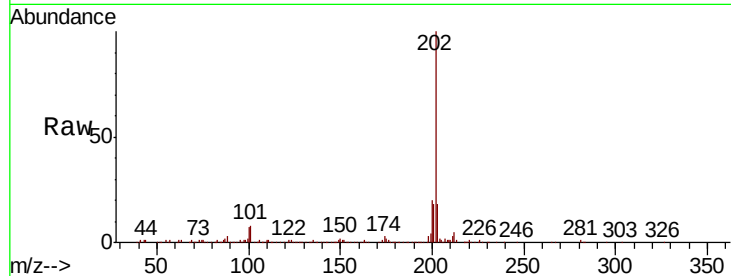
ClientSampleId :

BENT7

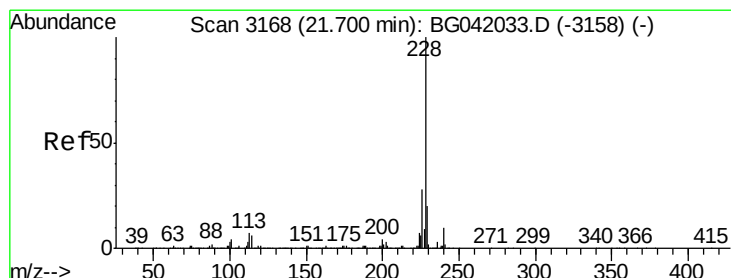
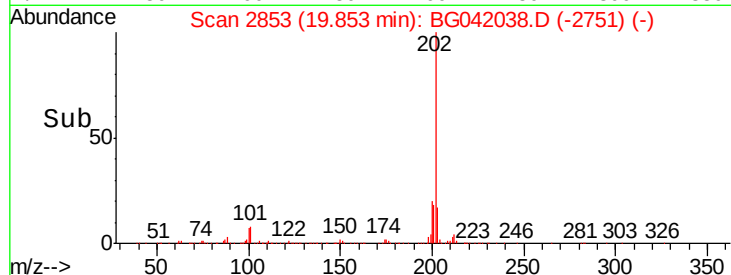
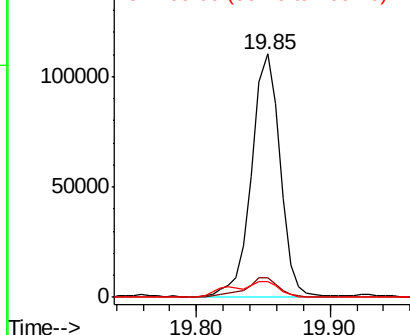
Tot Ion:	202	Resp:	161859
Ion Ratio	Lower	Upper	
202	100		
101	8.2	7.6	11.4
100	6.7	6.5	9.7

Manual Integrations
APPROVED

mohammad
8/9/2019 4:29:59 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



#82

Benzo(a)anthracene

Concen: 2.706 ng/ul

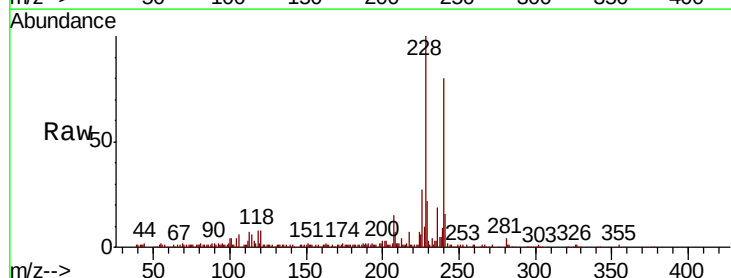
RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

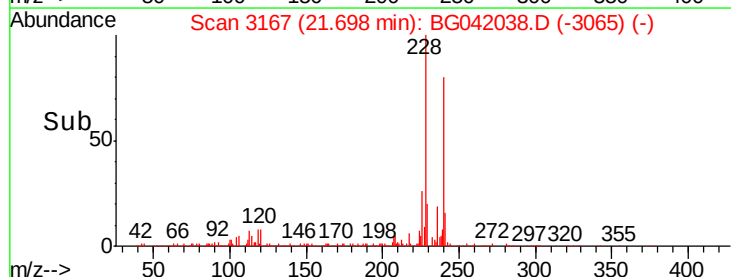
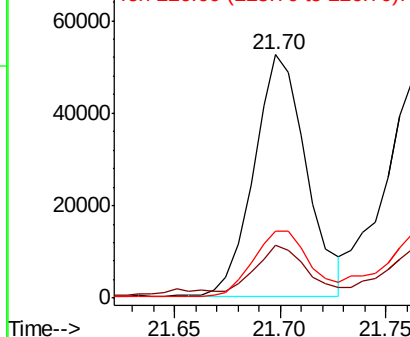
Lab File: BG042038.D

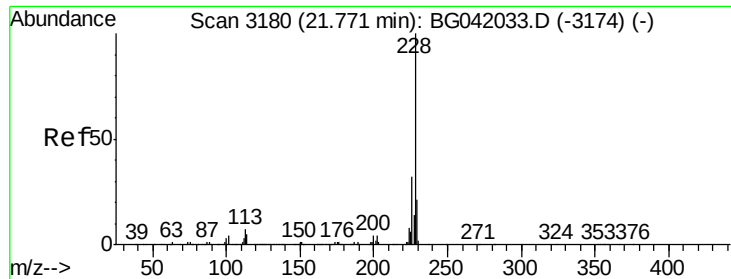
Acq: 7 Aug 2019 19:30

Tgt Ion:	228	Resp:	90965
Ion Ratio	Lower	Upper	
228	100		
229	21.7	17.0	25.6
226	27.3	23.3	34.9



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





#84

Chrysene

Concen: 2.991 ng/ul

RT: 21.76 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BG042038.D

Acq: 7 Aug 2019 19:30

Instrument :

BNA_G

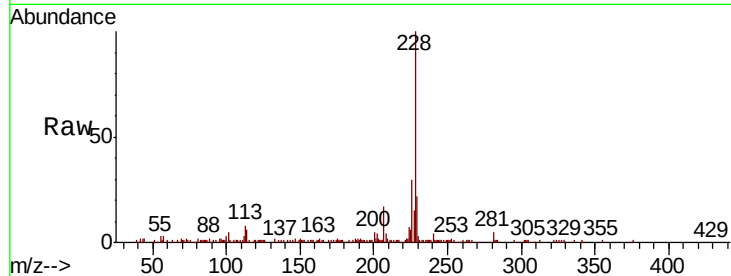
ClientSampleId :

BENT7

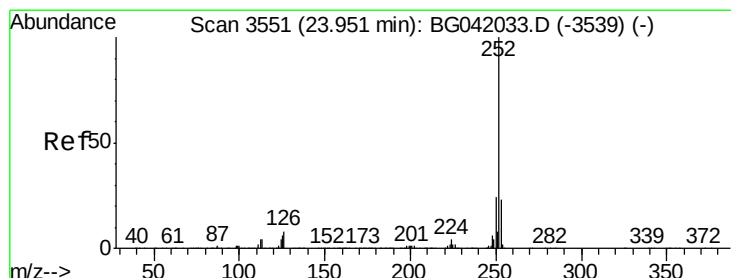
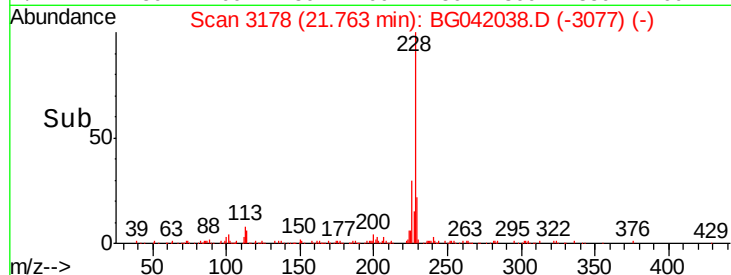
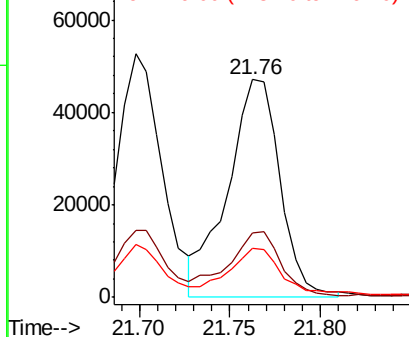
Tot Ion:	228	Resp:	93847
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.7	38.5
229	22.3	16.6	24.8

Manual Integrations
APPROVED

mohammad
8/9/2019 4:29:59 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 2.704 ng/ul

RT: 23.95 min Scan# 3550

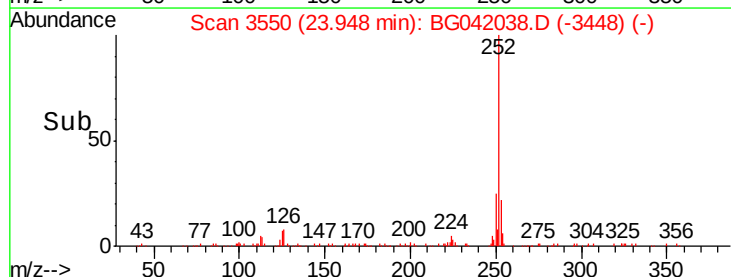
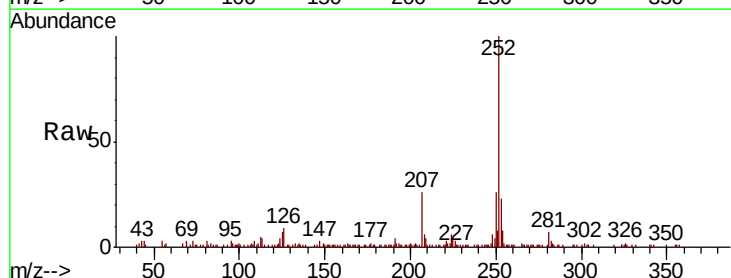
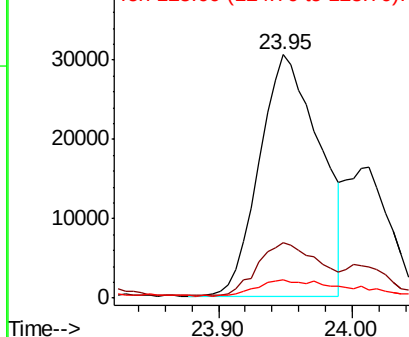
Delta R.T. -0.00 min

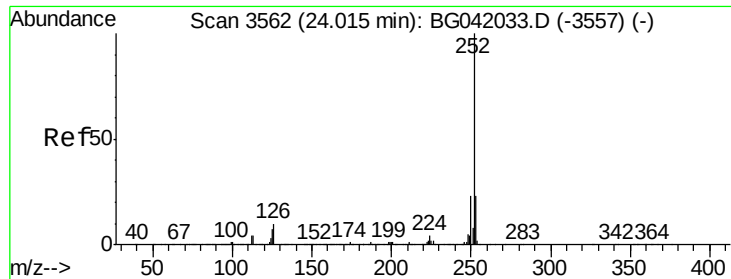
Lab File: BG042038.D

Acq: 7 Aug 2019 19:30

Tgt Ion:	252	Resp:	95600
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.4	27.6
125	7.4	5.8	8.8

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





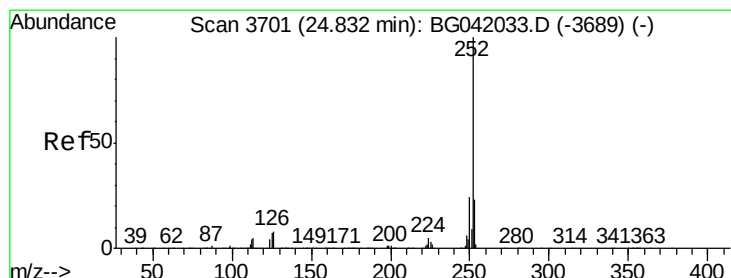
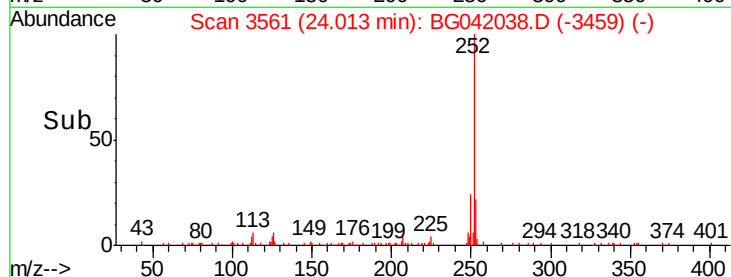
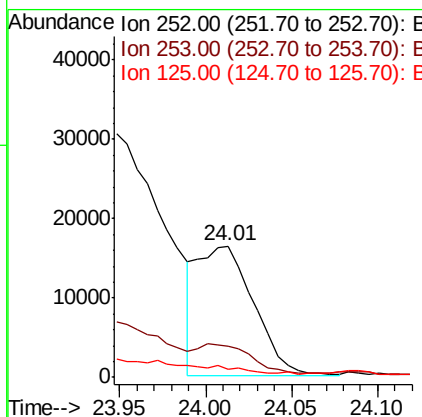
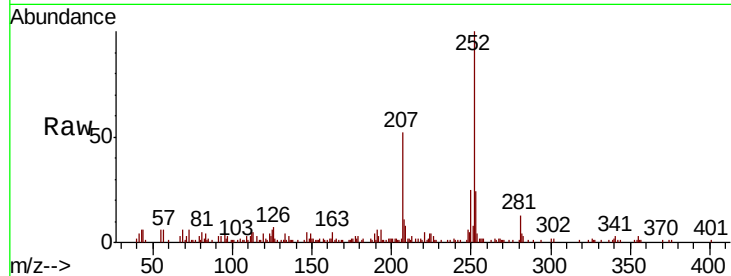
#88
Benzo(k)fluoranthene
Concen: 1.092 ng/ul
RT: 24.01 min Scan# 3561
Delta R.T. -0.00 min
Lab File: BG042038.D
Acq: 7 Aug 2019 19:30

Instrument :
BNA_G
ClientSampleId :
BENT7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	6.3	5.5	8.3

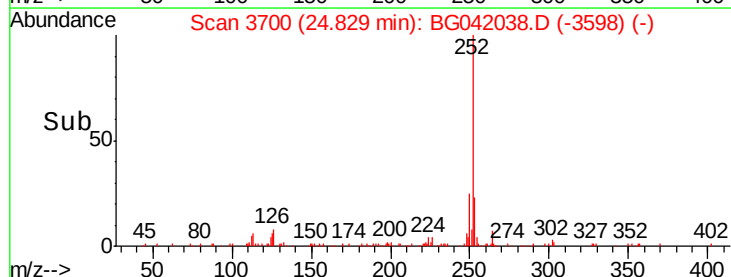
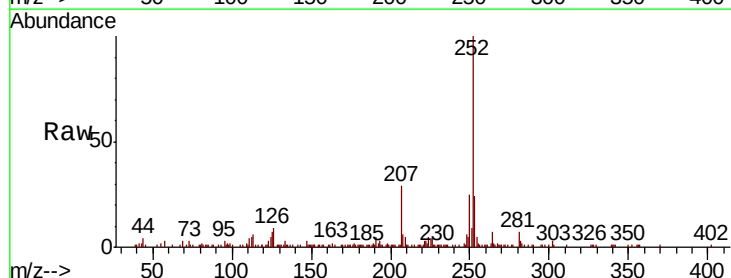
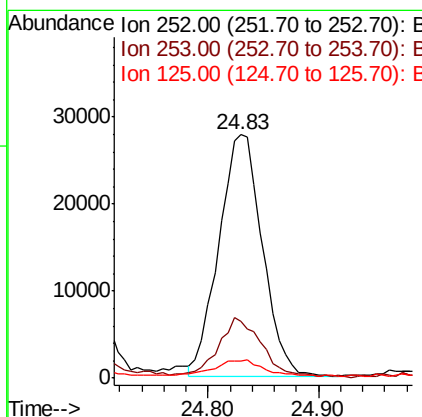
Manual Integrations
APPROVED

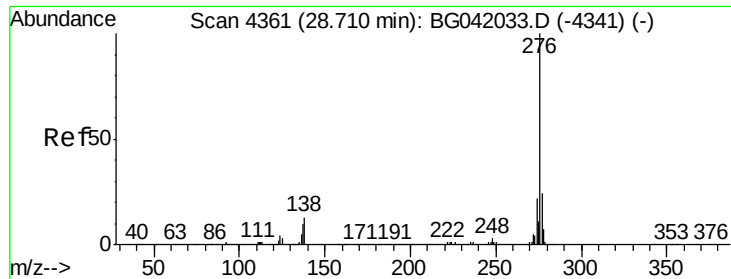
mohammad
8/9/2019 4:29:59 PM



#90
Benzo(a)pyrene
Concen: 2.259 ng/ul
RT: 24.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: BG042038.D
Acq: 7 Aug 2019 19:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	6.9	6.5	9.7





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.098 ng/ul

RT: 28.70 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BG042038.D

Acq: 7 Aug 2019 19:30

Instrument :

BNA_G

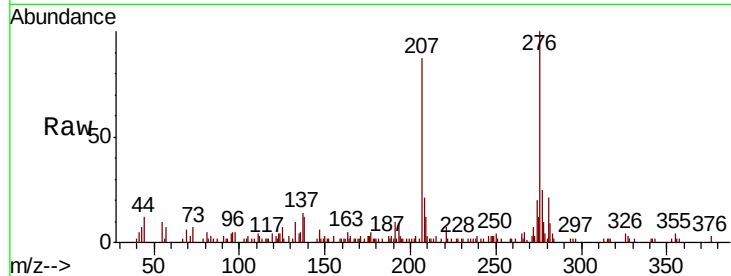
ClientSampleId :

BENT7

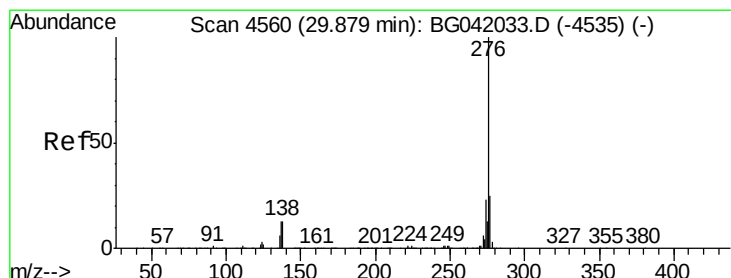
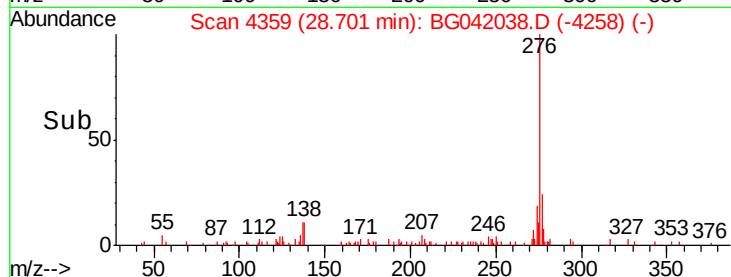
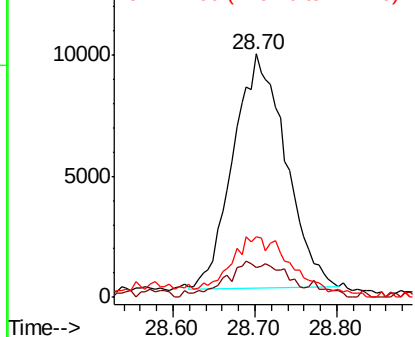
Tot Ion:	276	Resp:	43148
Ion Ratio	Lower	Upper	
276	100		
138	12.1	12.0	18.0
277	24.7	19.2	28.8

Manual Integrations
APPROVED

mohammad
8/9/2019 4:29:59 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



#93

Benzo(g,h,i)perylene

Concen: 1.154 ng/ul m

RT: 29.86 min Scan# 4556

Delta R.T. -0.02 min

Lab File: BG042038.D

Acq: 7 Aug 2019 19:30

Tgt Ion:	276	Resp:	37872
Ion Ratio	Lower	Upper	
276	100		
138	17.6	12.6	18.8
277	24.0	19.2	28.8

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

