

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042182.D
 Acq On : 13 Aug 2019 15:54
 Operator : HP/JU
 Sample : K4215-05
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETOB6

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:40 AM

Quant Time: Aug 14 05:20:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	70934	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	290462	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.68	164	197786	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	396143	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	411113	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	484424	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5334	3.29	ng/uL	0.00
5) Phenol-d5	7.18	99	134454	24.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	64134	20.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	120762	25.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	115367	24.68	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	60030	27.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	74462	29.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	143699	28.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	126416	22.23	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	428196	27.91	ng/ul	0.00
46) Acenaphthylene-d8	14.37	160	502550	28.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	49057	19.05	ng/ul	0.00
57) Fluorene-d10	15.68	176	381876	27.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	50979	20.06	ng/ul	0.00
70) Anthracene-d10	17.54	188	571343	30.06	ng/ul	0.00
78) Pyrene-d10	19.83	212	646086	28.16	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	755651	29.86	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.21	94	14303	2.489	ng/ul 99
28) Naphthalene	10.90	128	57479	3.871	ng/ul 98
34) 2-Methylnaphthalene	12.51	142	18206	1.543	ng/ul 96
44) Dimethylphthalate	14.13	163	150091	9.854	ng/ul 98
49) Acenaphthene	14.74	153	21239	1.717	ng/ul 94
58) Fluorene	15.73	166	18790	1.264	ng/ul# 93
69) Phenanthrene	17.48	178	354034	16.325	ng/ul 99
71) Anthracene	17.57	178	38565	1.753	ng/ul 99
74) Carbazole	17.83	167	18479	1.014	ng/ul# 89
76) Fluoranthene	19.49	202	461419	18.414	ng/ul 96
79) Pyrene	19.86	202	524158	18.954	ng/ul 96
82) Benzo(a)anthracene	21.70	228	236213	8.287	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.61	149	93256	6.279	ng/ul 99
84) Chrysene	21.77	228	308416	11.593	ng/ul 96
87) Benzo(b)fluoranthene	23.96	252	358284	11.786	ng/ul 99
88) Benzo(k)fluoranthene	24.01	252	117292m	4.013	ng/ul
90) Benzo(a)pyrene	24.84	252	260038	8.976	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	28.73	276	171183	5.066	ng/ul 98
92) Dibenzo(a,h)anthracene	28.77	278	53740m	1.950	ng/ul
93) Benzo(g,h,i)perylene	29.90	276	212373m	7.528	ng/ul

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

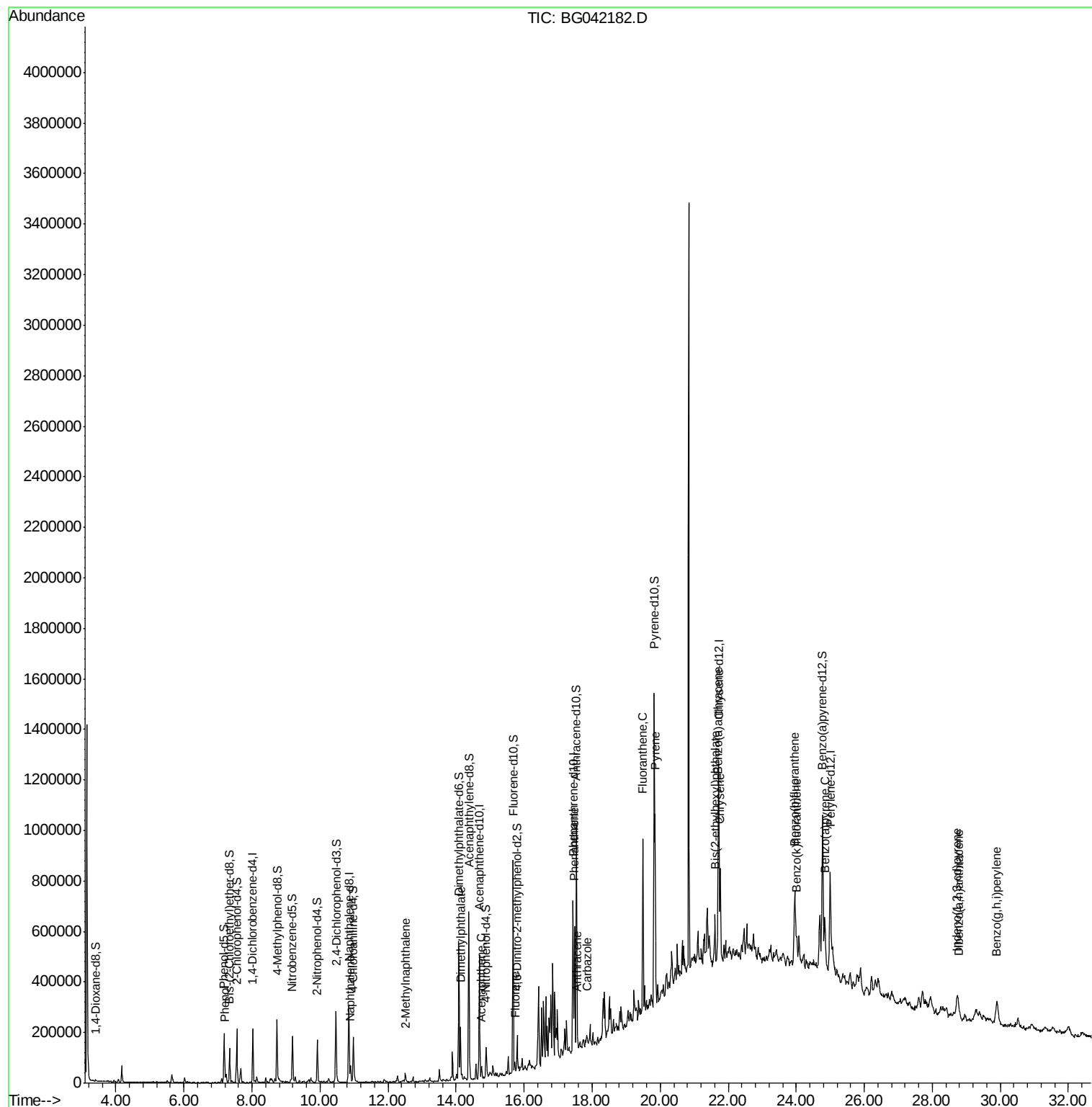
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042182.D
Acq On : 13 Aug 2019 15:54
Operator : HP/JU
Sample : K4215-05
Misc :
ALS Vial : 46 Sample Multiplier: 1

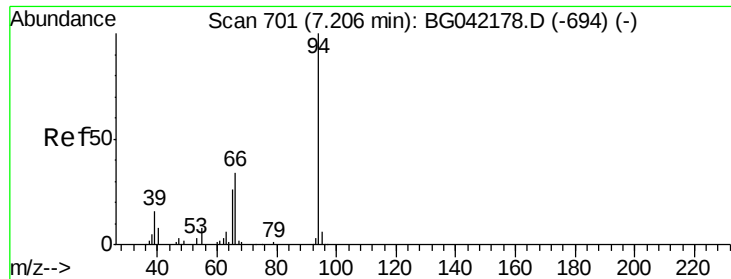
Instrument :
BNA_G
ClientSampleId :
ETOB6

Quant Time: Aug 14 05:20:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 02:56:59 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
8/20/2019 8:35:40 AM





#6

Phenol

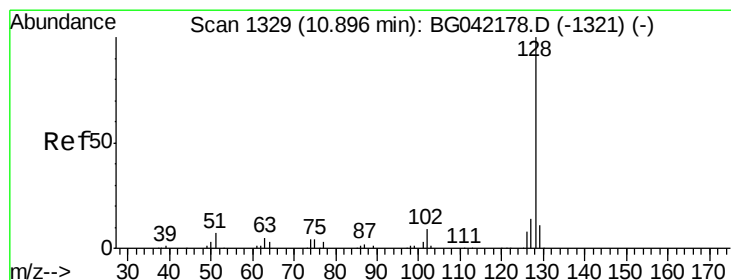
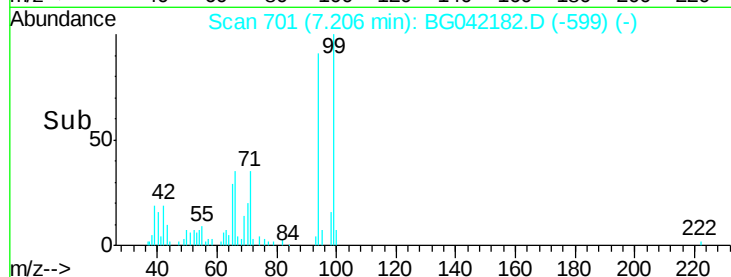
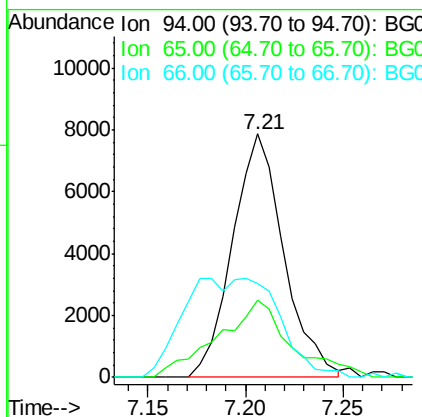
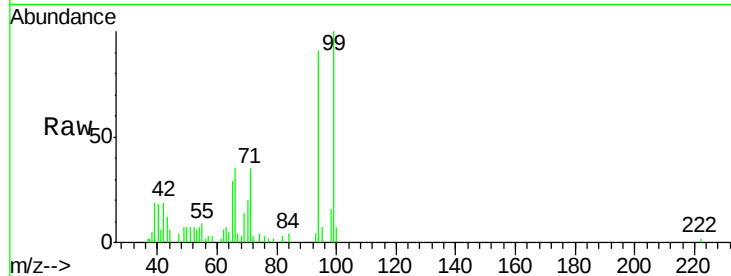
Concen: 2.489 ng/ul
 RT: 7.21 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BG042182.D
 Acq: 13 Aug 2019 15:54

Instrument :
 BNA_G
 ClientSampled :
 ETOB6

Tot Ion	Ratio	Lower	Upper
94	100		
65	31.6	25.8	38.6
66	38.8	31.8	47.8

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:40 AM

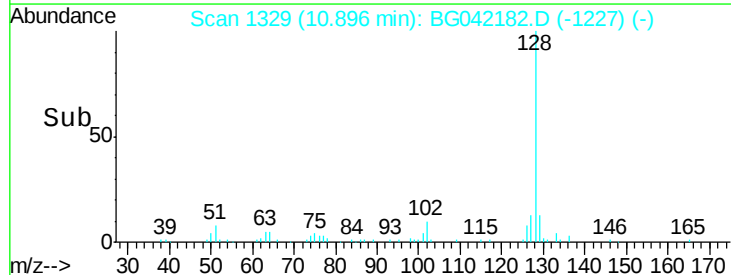
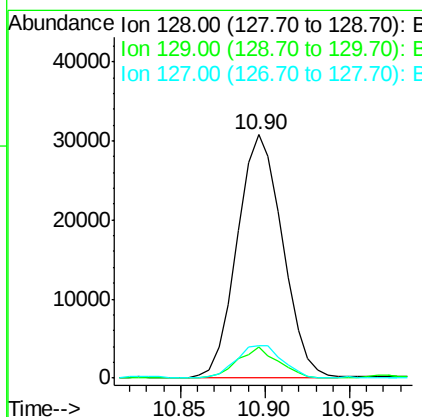
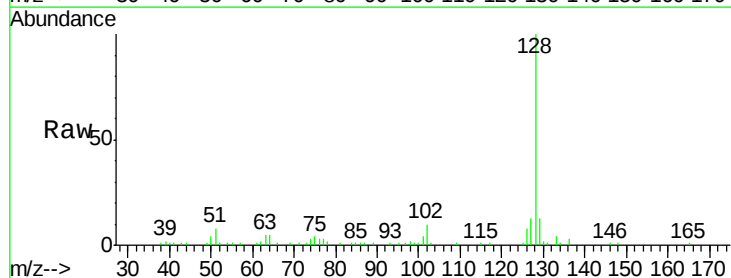


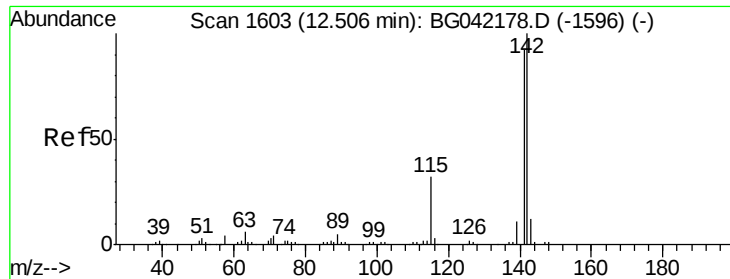
#28

Naphthalene

Concen: 3.871 ng/ul
 RT: 10.90 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BG042182.D
 Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.5	14.3
127	13.2	11.4	17.0





#34

2-Methylnaphthalene

Concen: 1.543 ng/ul

RT: 12.51 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BG042182.D

Acq: 13 Aug 2019 15:54

Instrument :

BNA_G

ClientSampleId :

ETOB6

Tot Ion:142 Resp: 18206

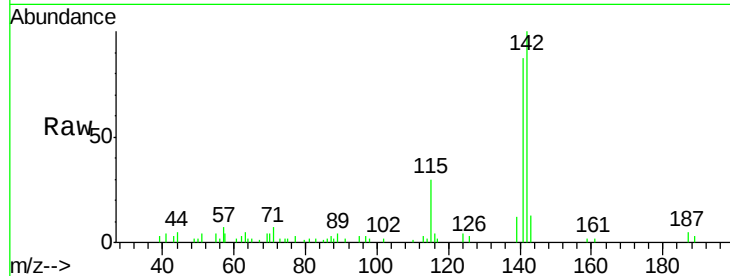
Ion Ratio Lower Upper

142 100

141 86.9 72.9 109.3

Manual Integrations
APPROVED

mohammad
8/20/2019 8:35:40 AM



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12000

10000

8000

6000

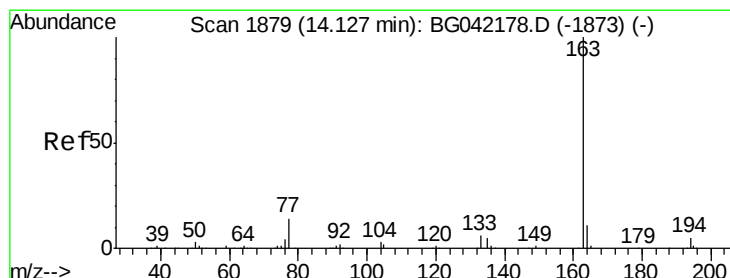
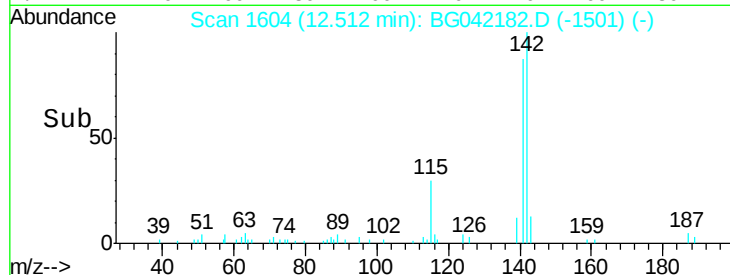
4000

2000

0

12.45 12.50 12.55

Time-->



#44

Dimethylphthalate

Concen: 9.854 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042182.D

Acq: 13 Aug 2019 15:54

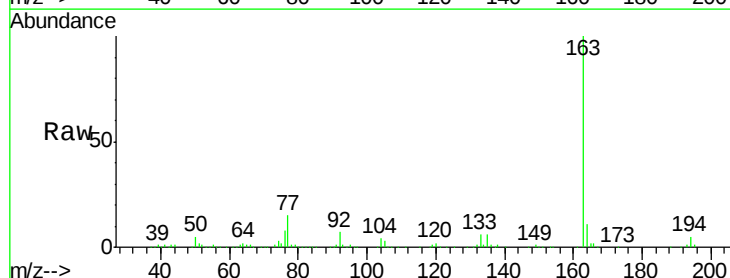
Tgt Ion:163 Resp: 150091

Ion Ratio Lower Upper

163 100

194 5.3 4.2 6.2

164 10.9 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

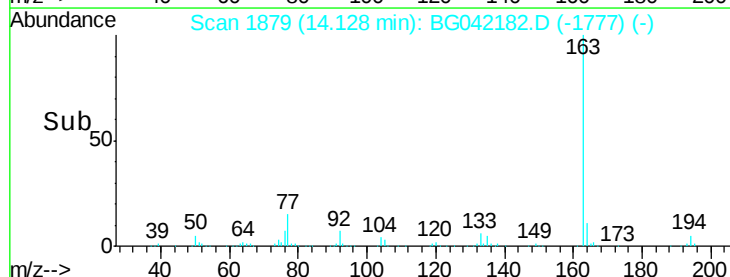
100000

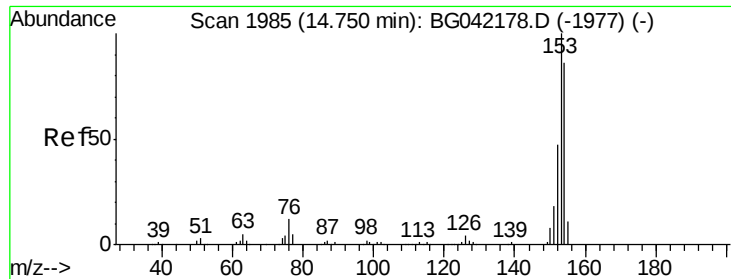
50000

0

14.10 14.20

Time-->





#49

Acenaphthene

Concen: 1.717 ng/ul

RT: 14.74 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG042182.D

Acq: 13 Aug 2019 15:54

Instrument :

BNA_G

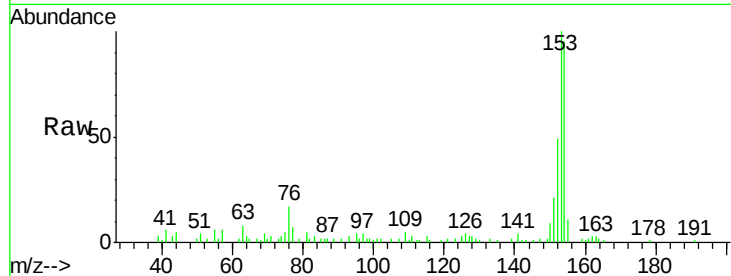
ClientSampleId :

ETOB6

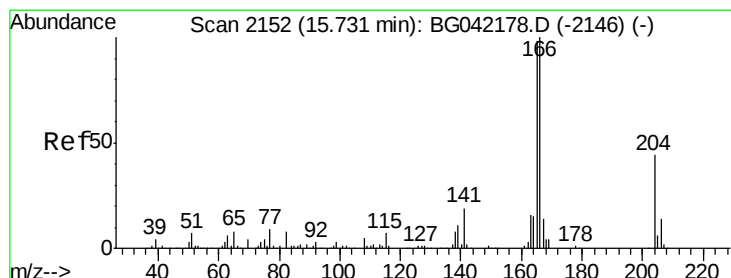
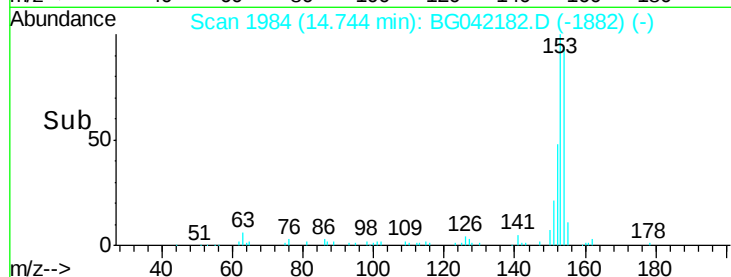
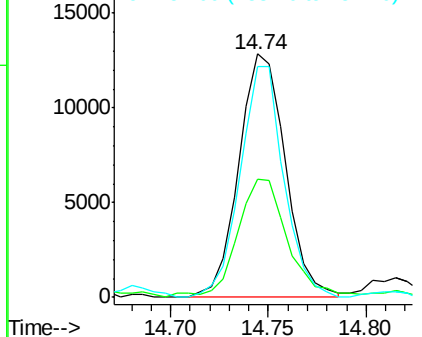
Tot Ion:	153	Resp:	21239
Ion	Ratio	Lower	Upper
153	100		
152	48.8	37.8	56.8
154	94.7	69.4	104.2

Manual Integrations
APPROVED

mohammad
8/20/2019 8:35:40 AM



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 1.264 ng/ul

RT: 15.73 min Scan# 2152

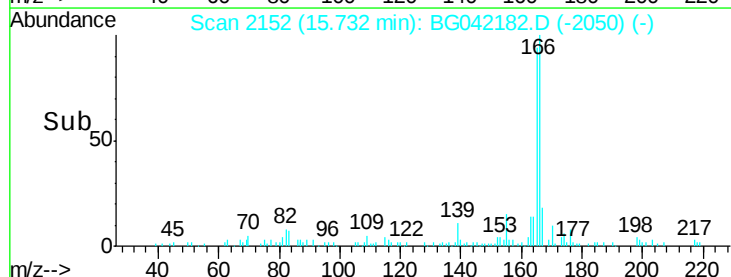
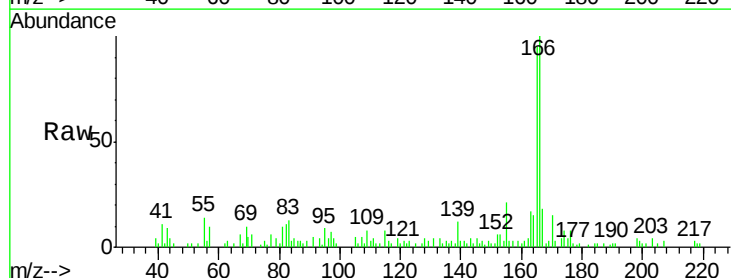
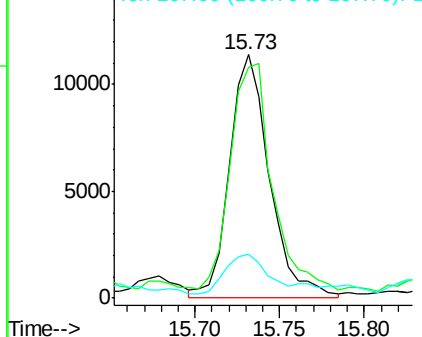
Delta R.T. -0.00 min

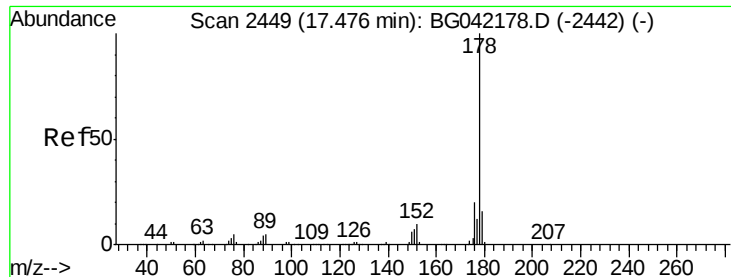
Lab File: BG042182.D

Acq: 13 Aug 2019 15:54

Tgt Ion:	166	Resp:	18790
Ion	Ratio	Lower	Upper
166	100		
165	95.1	81.1	121.7
167	17.9	11.0	16.4#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





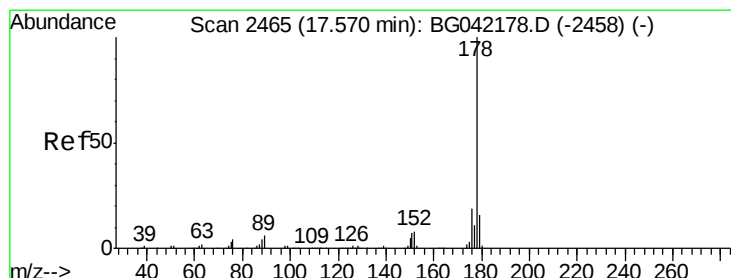
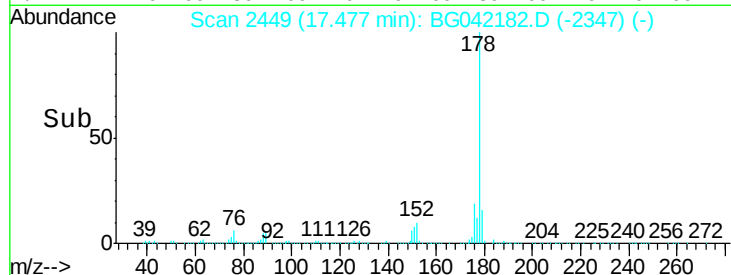
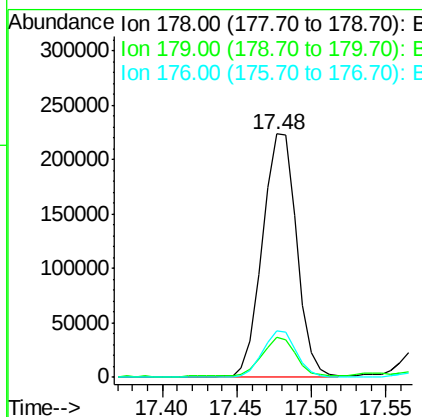
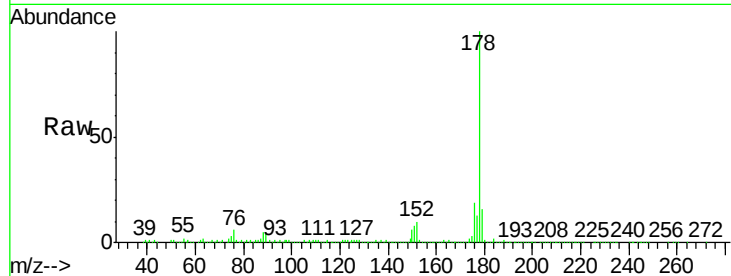
#69
Phenanthrene
Concen: 16.325 ng/ul
RT: 17.48 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG042182.D
Acq: 13 Aug 2019 15:54

Instrument :
BNA_G
ClientSampleId :
ETOB6

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	19.0	15.4	23.2

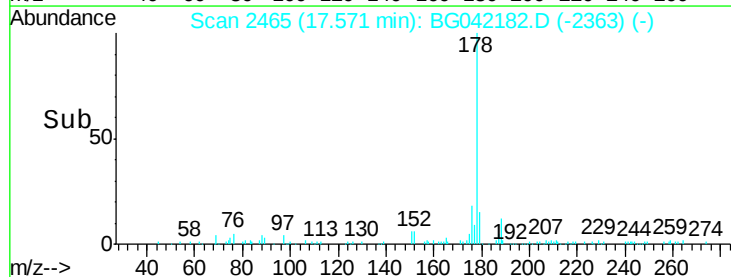
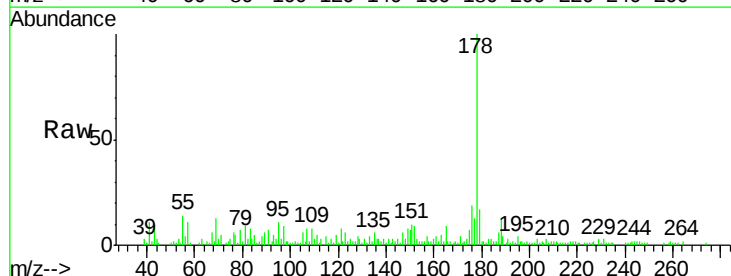
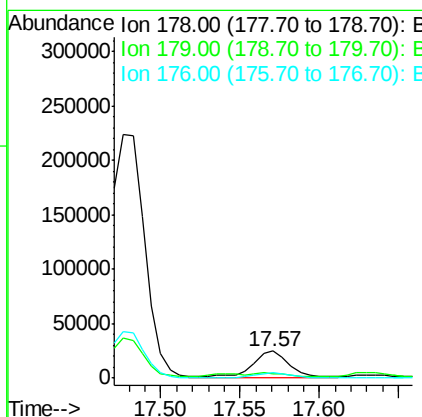
Manual Integrations
APPROVED

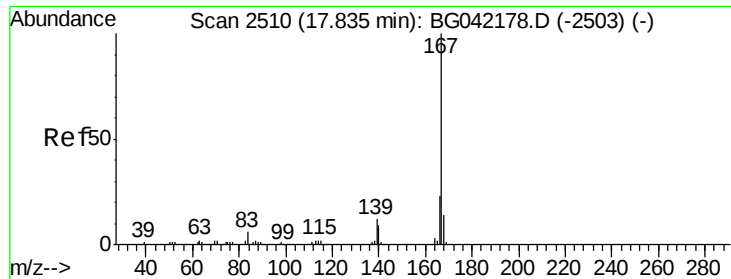
mohammad
8/20/2019 8:35:40 AM



#71
Anthracene
Concen: 1.753 ng/ul
RT: 17.57 min Scan# 2465
Delta R.T. -0.00 min
Lab File: BG042182.D
Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.0	13.4	20.0
176	18.7	15.4	23.2





#74

Carbazole

Concen: 1.014 ng/ul

RT: 17.83 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG042182.D

Acq: 13 Aug 2019 15:54

Instrument :

BNA_G

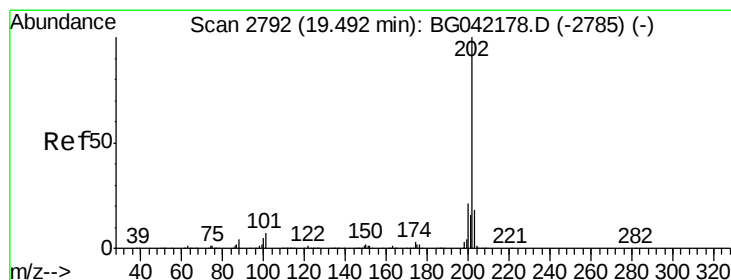
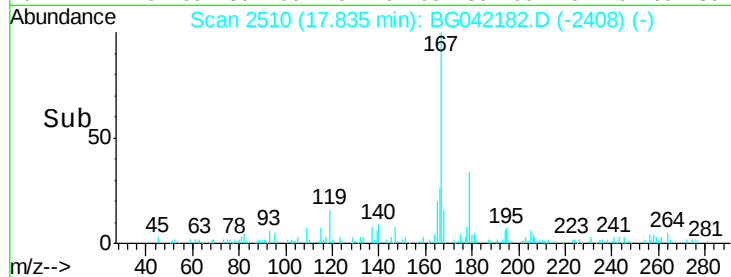
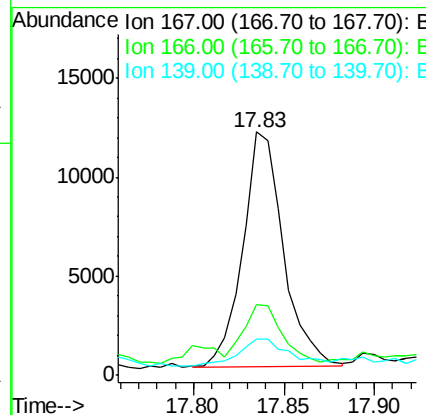
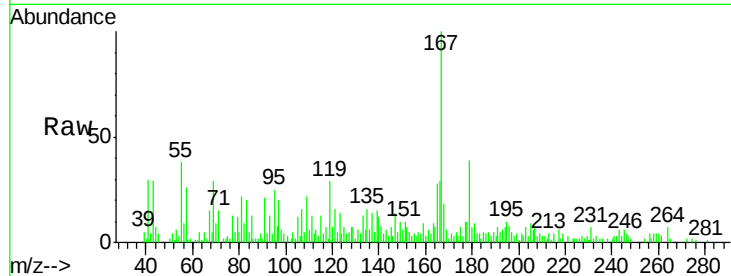
ClientSampleId :

ETOB6

Tot Ion:	167	Resp:	18479
Ion Ratio	Lower	Upper	
167	100		
166	29.0	18.2	27.4#
139	15.1	9.6	14.4#

Manual Integrations
APPROVED

mohammad
8/20/2019 8:35:40 AM



#76

Fluoranthene

Concen: 18.414 ng/ul

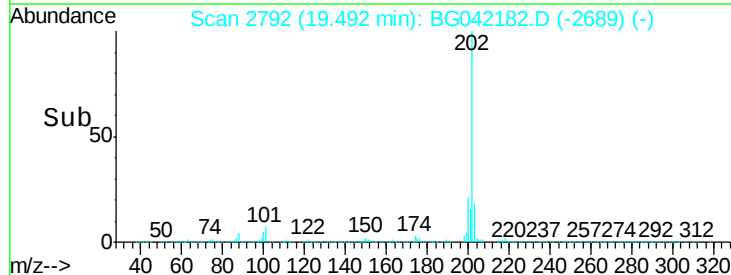
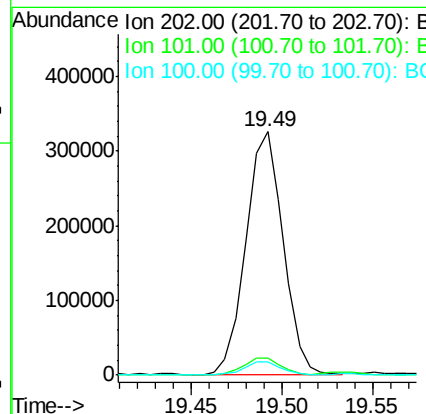
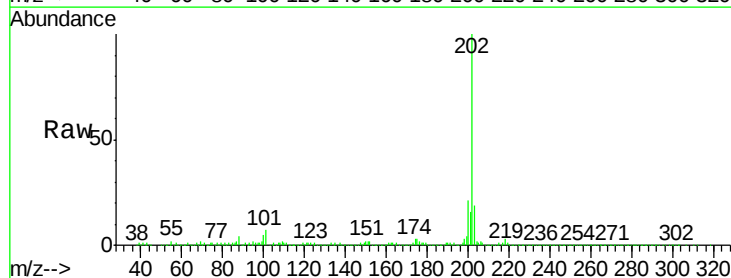
RT: 19.49 min Scan# 2792

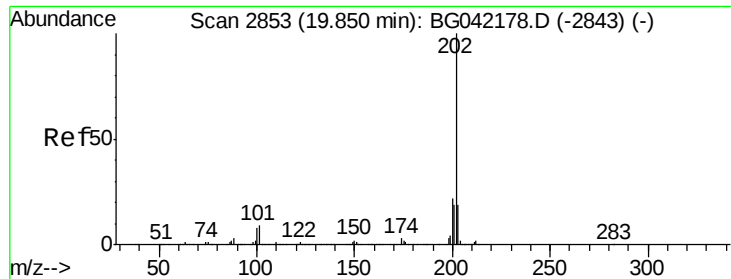
Delta R.T. 0.00 min

Lab File: BG042182.D

Acq: 13 Aug 2019 15:54

Tgt Ion:	202	Resp:	461419
Ion Ratio	Lower	Upper	
202	100		
101	6.9	6.7	10.1
100	5.4	5.3	7.9





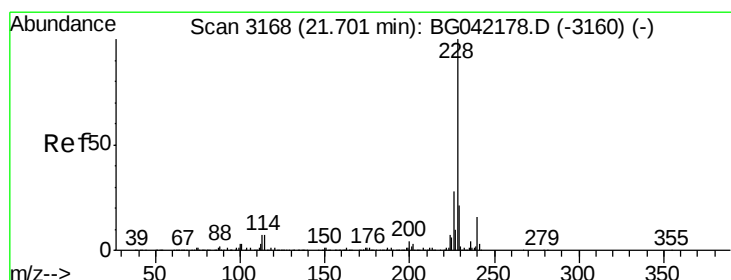
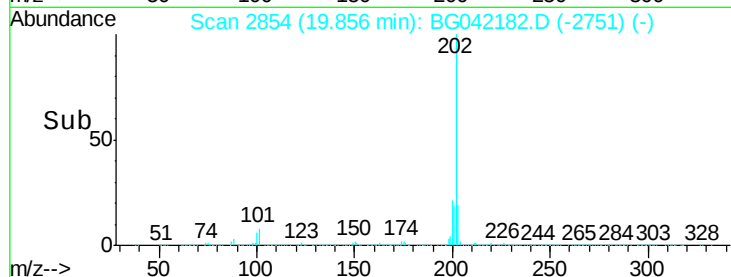
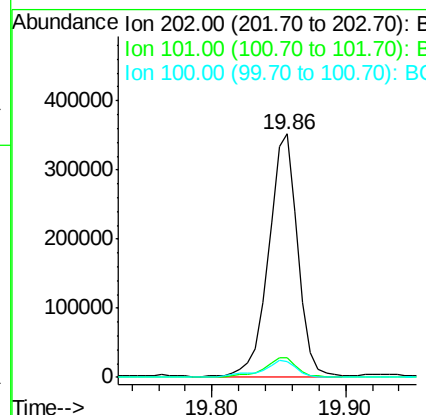
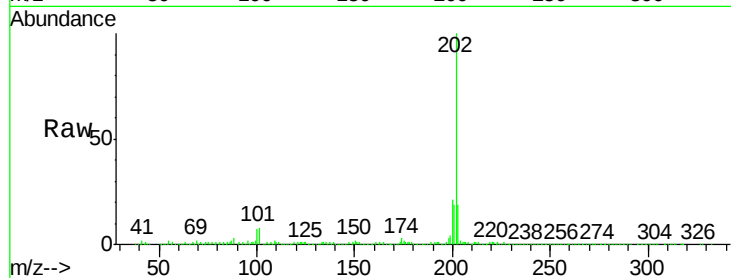
#79
Pvrene
Concen: 18.954 ng/ul
RT: 19.86 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BG042182.D
Acq: 13 Aug 2019 15:54

Instrument :
BNA_G
ClientSampleId :
ETOB6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.0	7.6	11.4
100	6.5	6.5	9.7

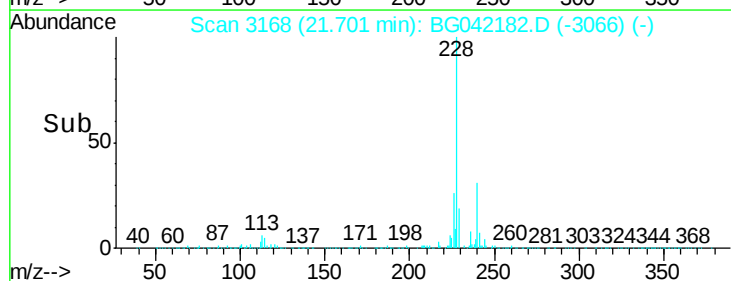
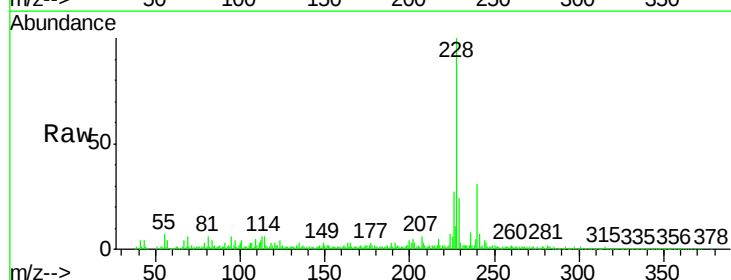
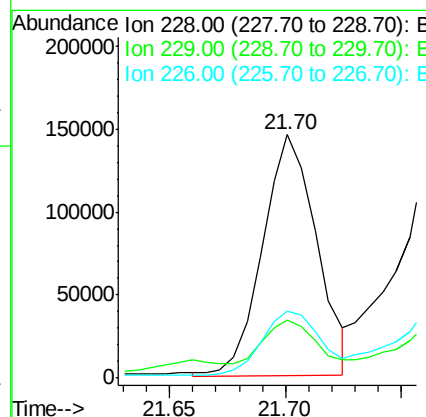
Manual Integrations
APPROVED

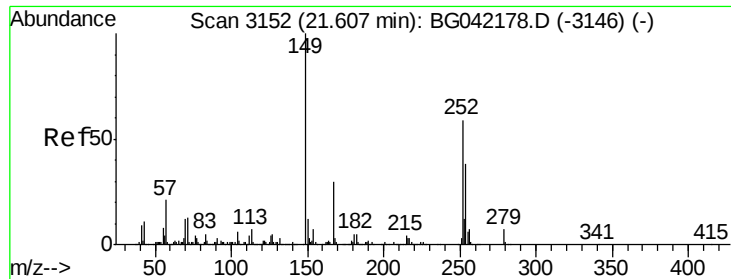
mohammad
8/20/2019 8:35:40 AM



#82
Benzo(a)anthracene
Concen: 8.287 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG042182.D
Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	23.8	17.0	25.6
226	27.4	23.3	34.9





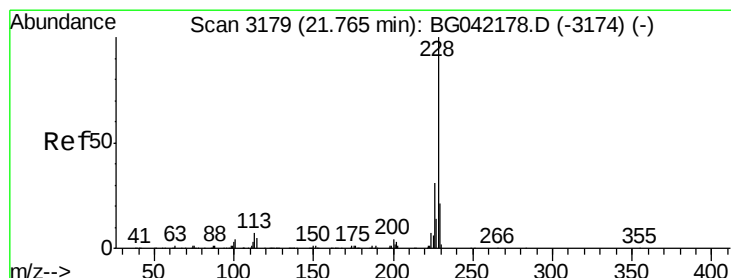
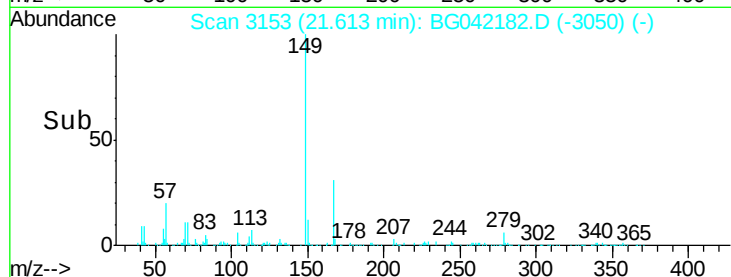
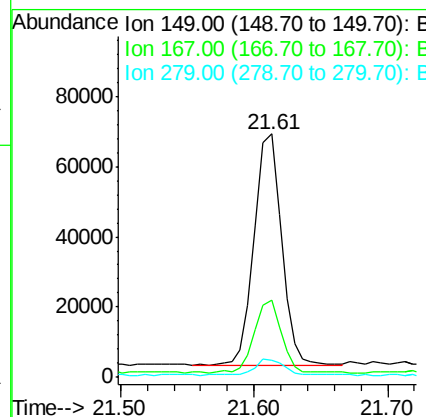
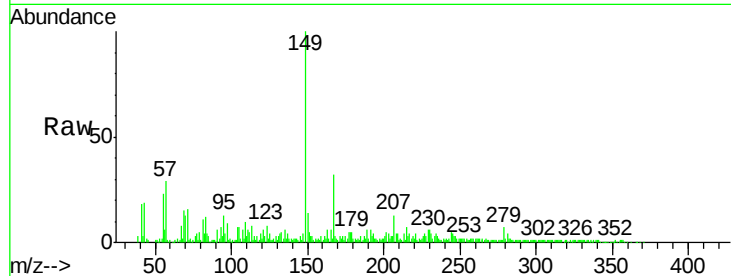
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.279 ng/ul
 RT: 21.61 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: BG042182.D
 Acq: 13 Aug 2019 15:54

Instrument :
 BNA_G
 ClientSampleId :
 ETOB6

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	31.9	25.0	37.4
279	6.8	5.2	7.8

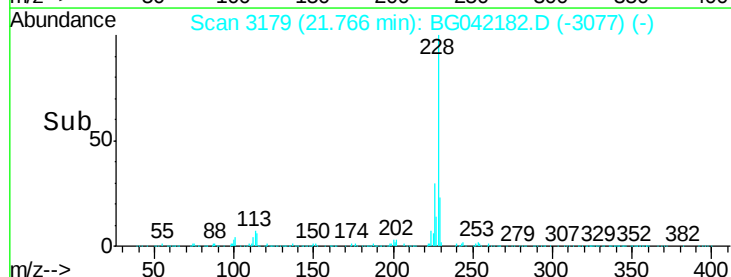
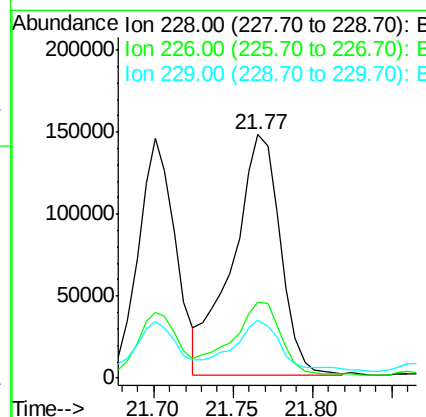
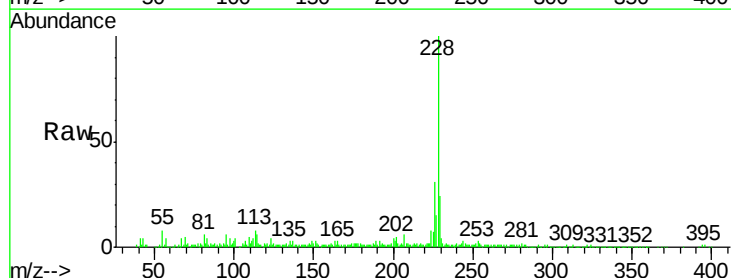
Manual Integrations
 APPROVED

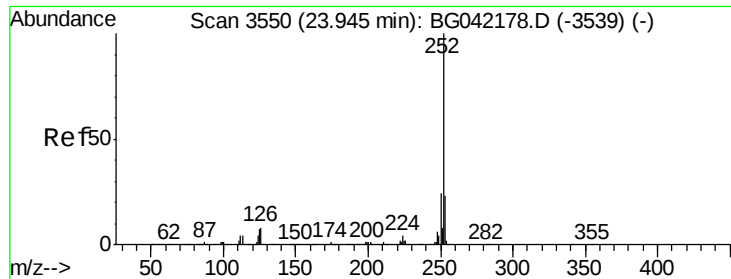
mohammad
 8/20/2019 8:35:40 AM



#84
 Chrysene
 Concen: 11.593 ng/ul
 RT: 21.77 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: BG042182.D
 Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.0	25.7	38.5
229	23.8	16.6	24.8





#87

Benzo(b)fluoranthene

Concen: 11.786 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042182.D

Acq: 13 Aug 2019 15:54

Instrument :

BNA_G

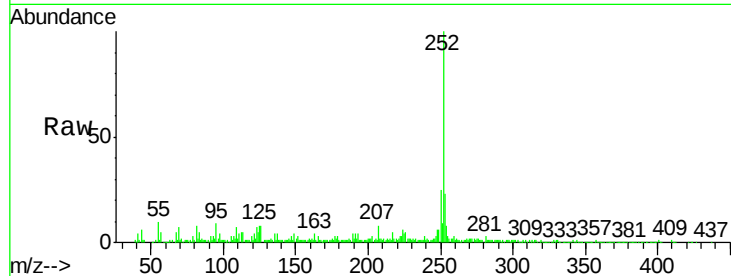
ClientSampleId :

ETOB6

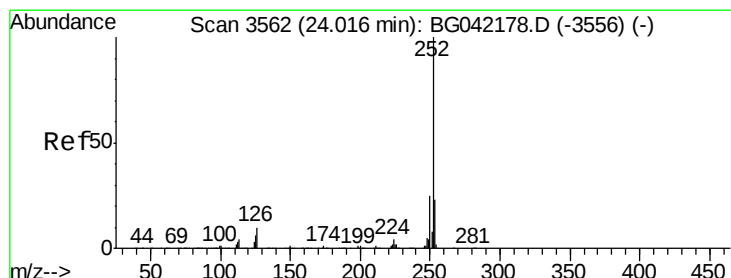
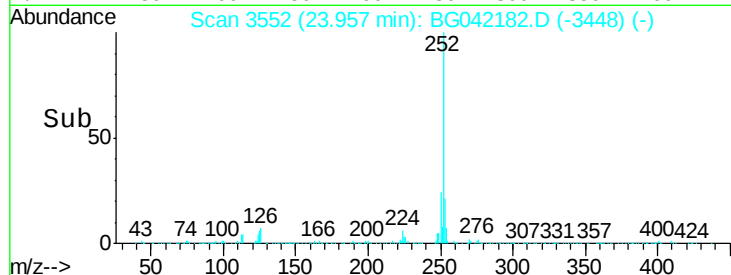
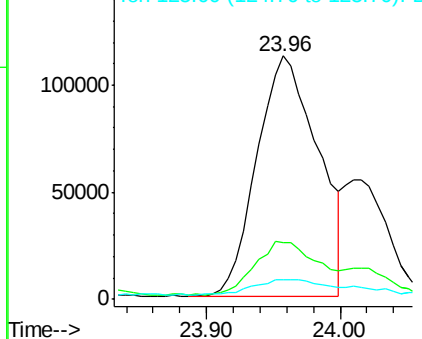
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	8.1	5.8	8.8

Manual Integrations
APPROVED

mohammad
8/20/2019 8:35:40 AM



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: 4.013 ng/ul m

RT: 24.01 min Scan# 3561

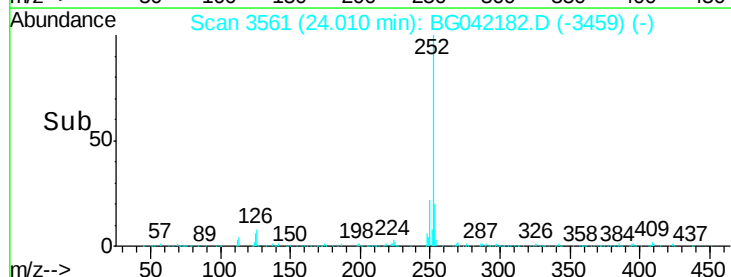
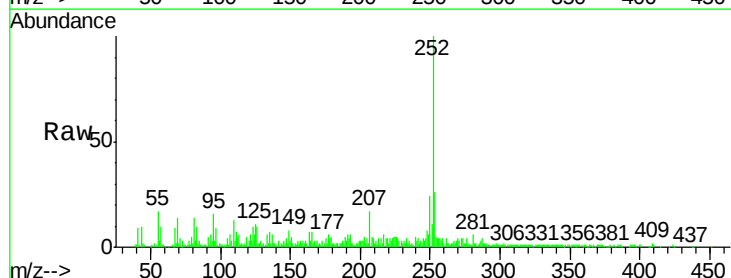
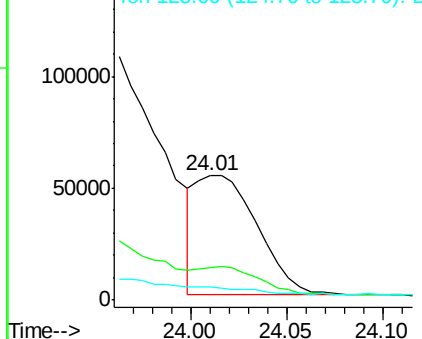
Delta R.T. -0.00 min

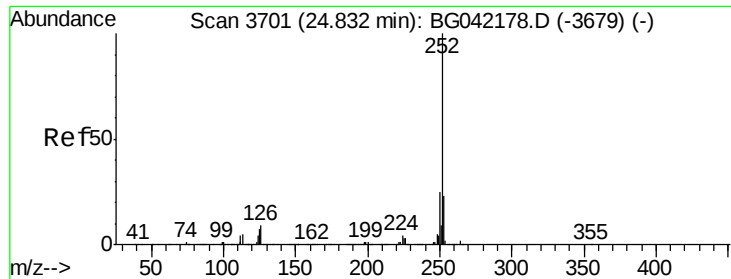
Lab File: BG042182.D

Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.3	27.5
125	10.8	5.5	8.3#

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





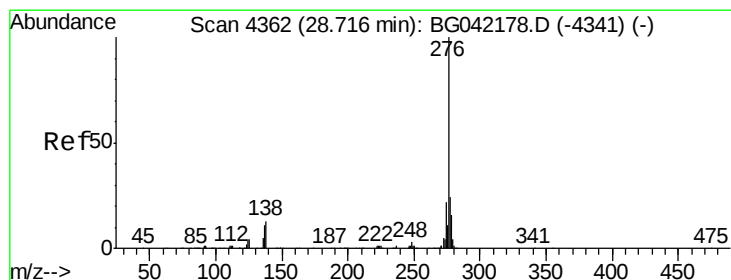
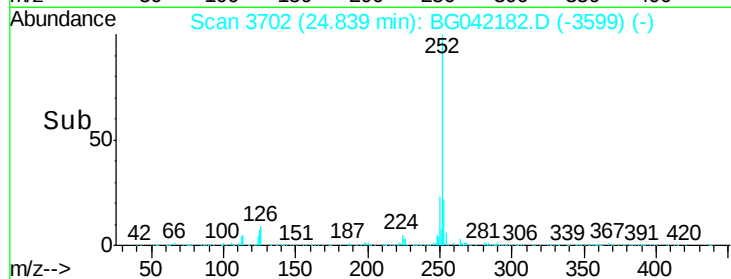
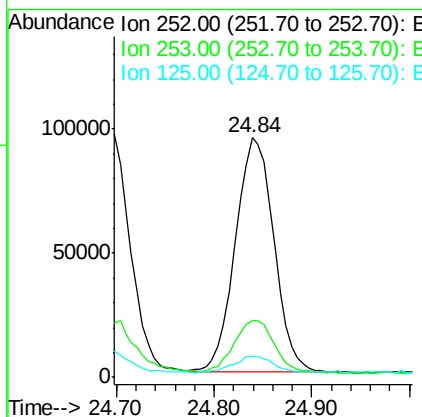
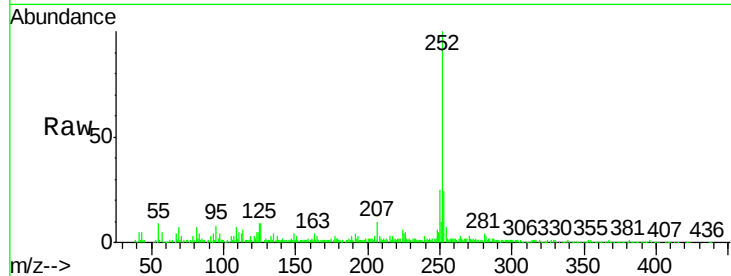
#90
Benzo(a)pyrene
Concen: 8.976 ng/ul
RT: 24.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: BG042182.D
Acq: 13 Aug 2019 15:54

Instrument :
BNA_G
ClientSampleId :
ETOB6

Tot Ion	Ratio	Resp	Lower	Upper
252	100	260038		
253	23.9		18.3	27.5
125	9.0		6.5	9.7

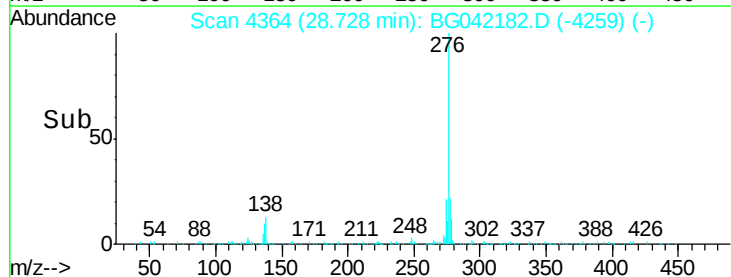
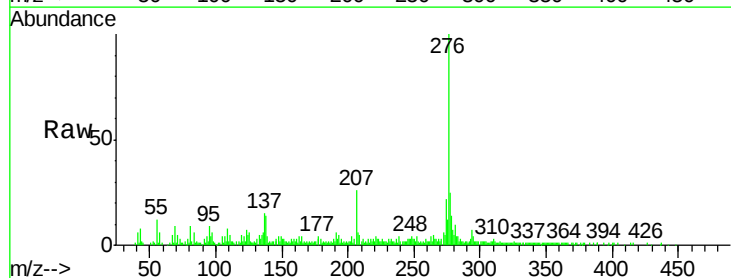
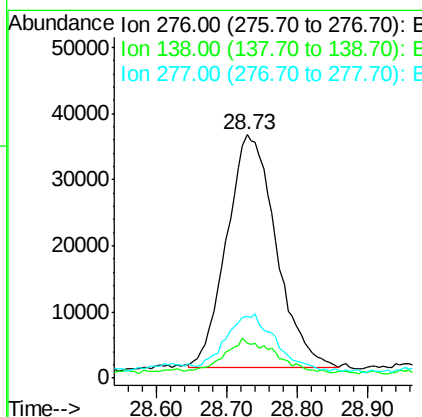
Manual Integrations
APPROVED

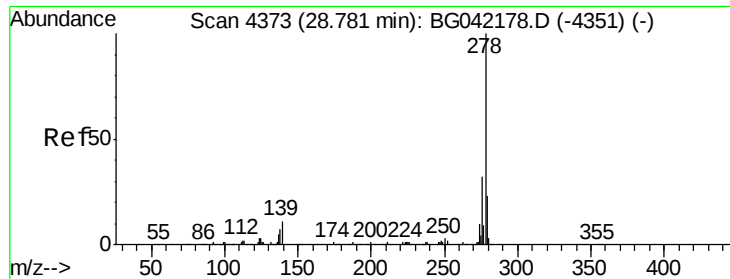
mohammad
8/20/2019 8:35:40 AM



#91
Indeno(1,2,3-cd)pyrene
Concen: 5.066 ng/ul
RT: 28.73 min Scan# 4364
Delta R.T. 0.01 min
Lab File: BG042182.D
Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	171183		
138	14.4		12.0	18.0
277	25.2		19.2	28.8





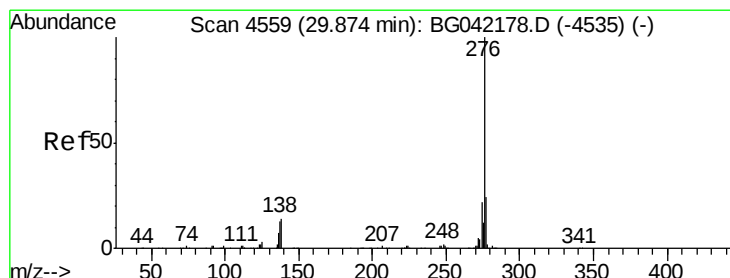
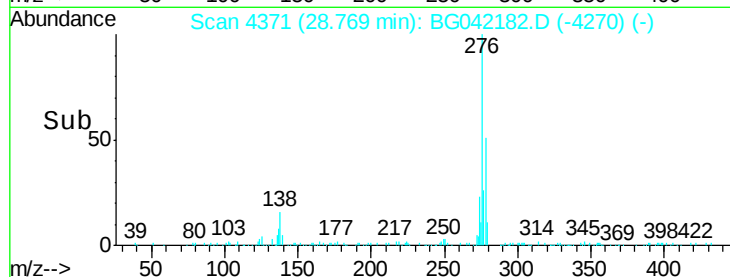
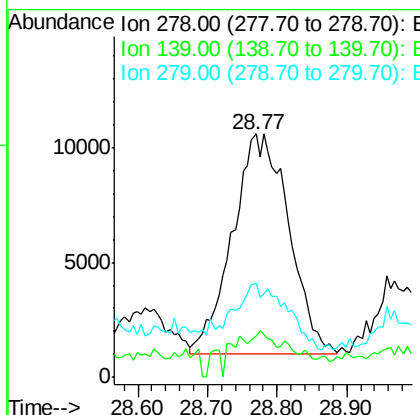
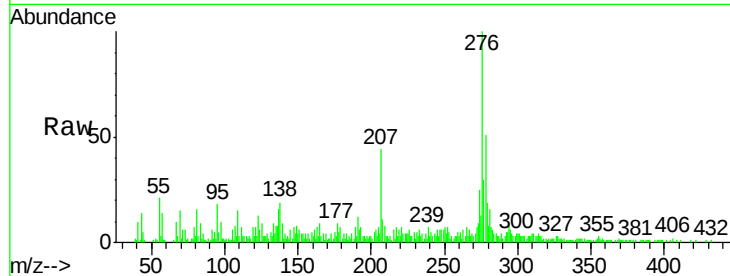
#92
Dibenzo(a,h)anthracene
Concen: 1.950 ng/ul m
RT: 28.77 min Scan# 4371
Delta R.T. -0.01 min
Lab File: BG042182.D
Acq: 13 Aug 2019 15:54

Instrument :
BNA_G
ClientSampleId :
ETOB6

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	9.4	14.0#
279	38.3	19.2	28.8#

Manual Integrations
APPROVED

mohammad
8/20/2019 8:35:40 AM



#93
Benzo(g,h,i)perylene
Concen: 7.528 ng/ul m
RT: 29.90 min Scan# 4563
Delta R.T. 0.02 min
Lab File: BG042182.D
Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	12.6	18.8
277	24.8	19.2	28.8

