

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\
 Data File : BG046182.D
 Acq On : 6 Aug 2020 14:54
 Operator : CG/JU
 Sample : L3424-17DL 25X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0S92DL

Manual Integrations
 APPROVED

mohammad
 8/7/2020 1:49:55 PM

Quant Time: Aug 06 15:41:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 10:37:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	119895	20.00	ng/ul	0.00
18) Naphthalene-d8	10.75	136	484319	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.58	164	329444	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.32	188	738909	20.00	ng/ul	0.00
78) Chrysene-d12	21.56	240	718328	20.00	ng/ul	0.00
86) Perylene-d12	24.67	264	782718	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	7.12	99	6932	0.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.29	67	5048	0.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	6909	0.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	6365	0.80	ng/ul	0.00
19) Nitrobenzene-d5	9.11	128	3121	0.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	3010	0.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	6470	0.82	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.98	166	24927	0.97	ng/ul	0.00
47) Acenaphthylene-d8	14.27	160	32598	1.07	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.56	176	23594	1.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.41	188	41449m	1.22	ng/ul	0.00
79) Pyrene-d10	19.70	212	43900	1.16	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.45	264	43577	1.00	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.80	128	28058	1.083	ng/ul 99
48) Acenaphthylene	14.30	152	67933	2.177	ng/ul 99
54) Dibenzofuran	14.98	168	44521	1.453	ng/ul 91
70) Phenanthrene	17.36	178	128542	3.117	ng/ul 99
72) Anthracene	17.45	178	95002	2.312	ng/ul 97
77) Fluoranthene	19.37	202	827886	18.302	ng/ul 98
80) Pyrene	19.73	202	1095981	22.564	ng/ul 99
83) Benzo(a)anthracene	21.54	228	564775	11.939	ng/ul 95
85) Chrysene	21.61	228	885723	19.260	ng/ul 99
88) Benzo(b)fluoranthene	23.70	252	1734300	32.797	ng/ul 97
89) Benzo(k)fluoranthene	23.75	252	555426	10.698	ng/ul 99
91) Benzo(a)pyrene	24.53	252	598937	12.351	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	28.18	276	775152	12.800	ng/ul 98
93) Dibenzo(a,h)anthracene	28.22	278	190134m	3.838	ng/ul
94) Benzo(g,h,i)perylene	29.27	276	212914	4.160	ng/ul 97

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

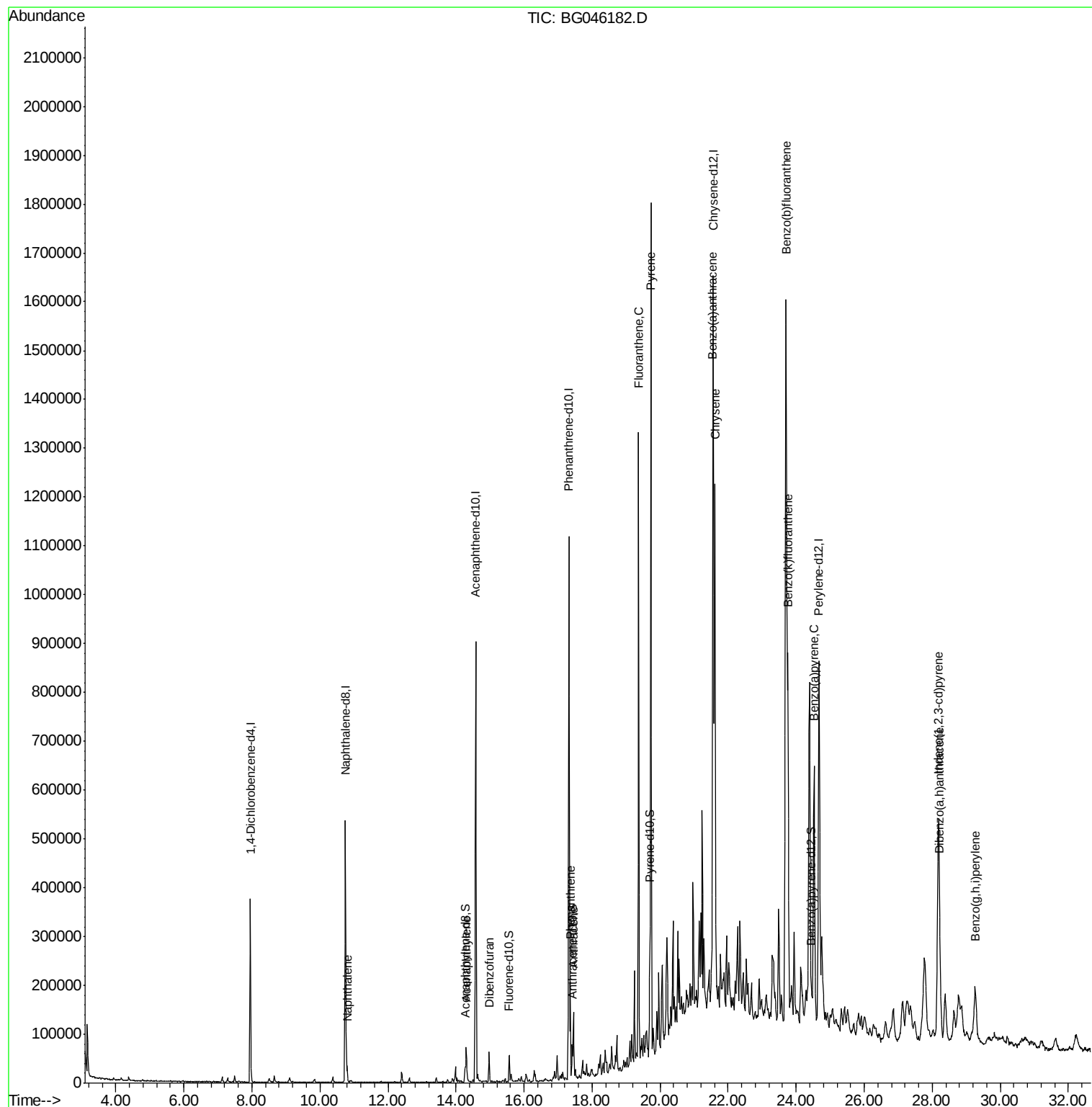
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\
Data File : BG046182.D
Acq On : 6 Aug 2020 14:54
Operator : CG/JU
Sample : L3424-17DL 25X
Misc :
ALS Vial : 6 Sample Multiplier: 1

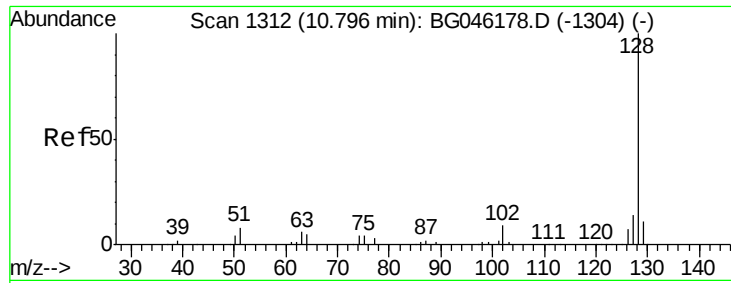
Instrument :
BNA_G
ClientSampleID :
C0S92DL

Quant Time: Aug 06 15:41:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 10:37:54 2020
Response via : Initial Calibration

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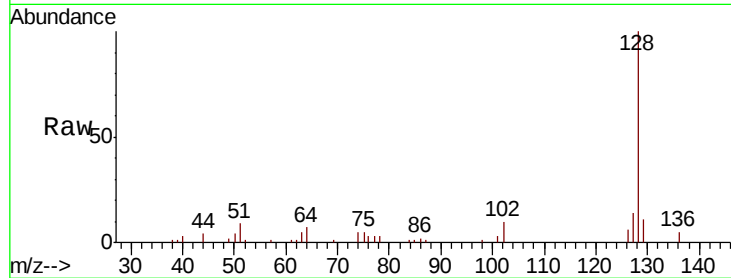
#28
Naphthalene
Concen: 1.083 ng/ul
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG046182.D
Acq: 6 Aug 2020 14:54

Instrument :
BNA_G
ClientSampleId :
C0S92DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	14.3	11.2	16.8

Manual Integrations
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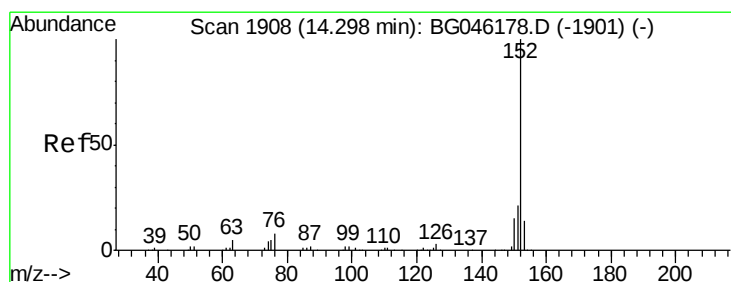
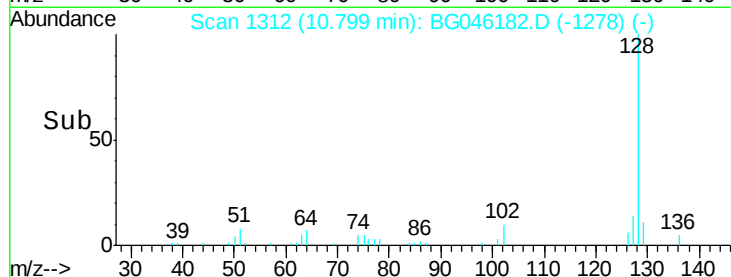
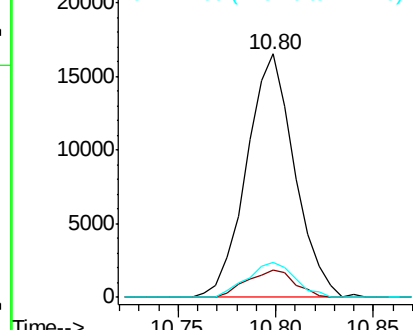


Abundance

Ion 128.00 (127.70 to 128.70): E

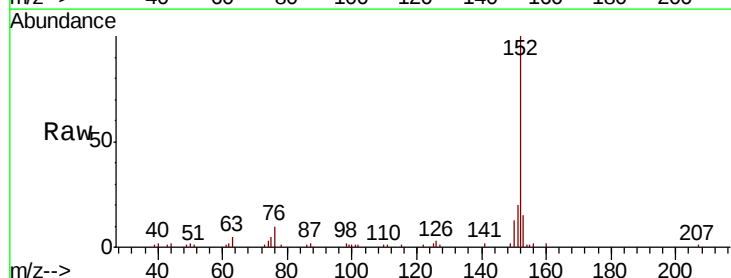
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#48
Acenaphthylene
Concen: 2.177 ng/ul
RT: 14.30 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BG046182.D
Acq: 6 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7
153	14.7	11.0	16.6

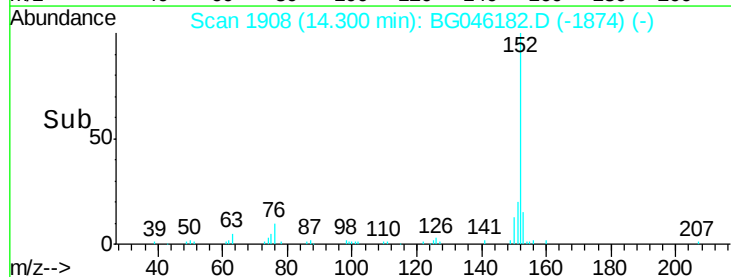
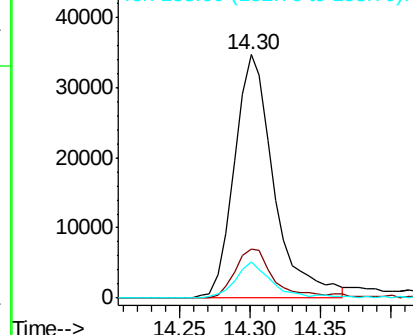


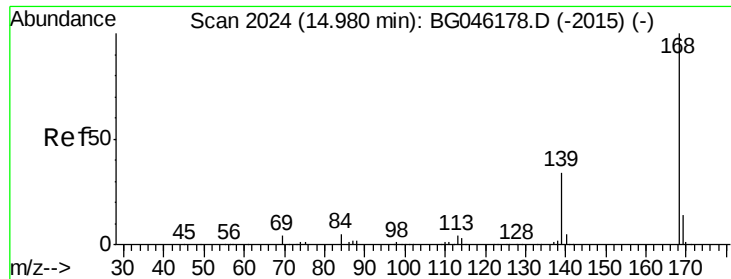
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





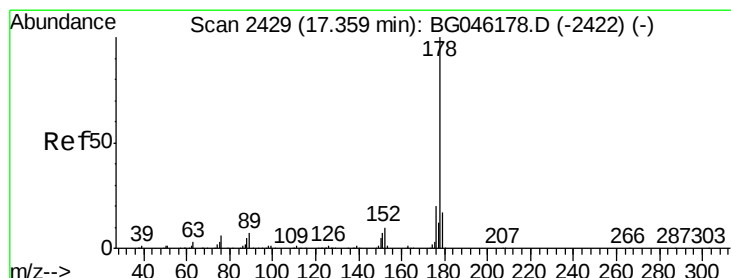
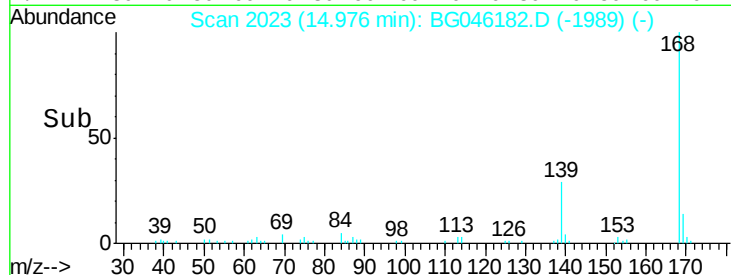
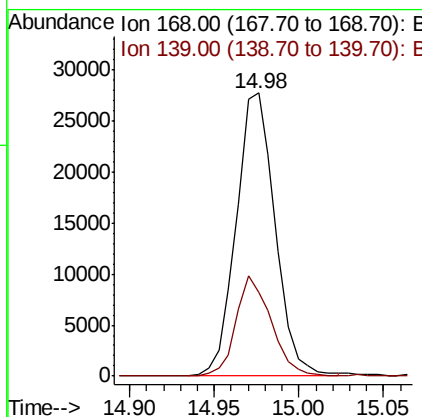
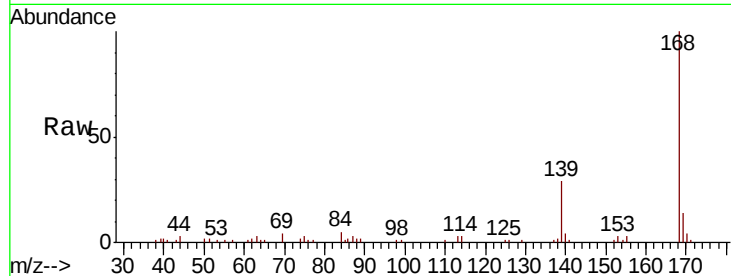
#54
Dibenzenofuran
Concen: 1.453 ng/ul
RT: 14.98 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BG046182.D
Acq: 6 Aug 2020 14:54

Instrument :
BNA_G
ClientSampleId :
C0S92DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	29.4	27.7	41.5

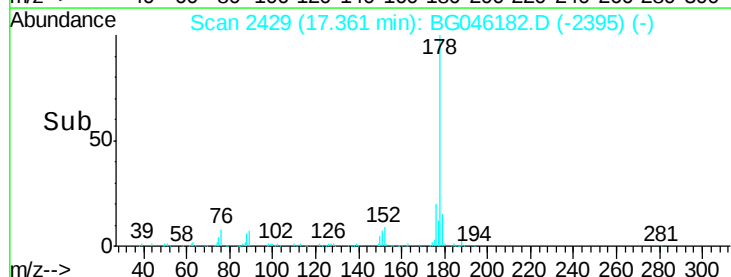
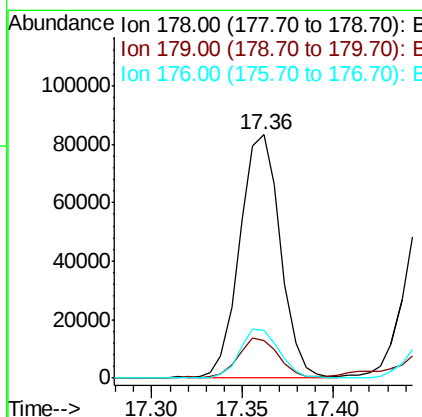
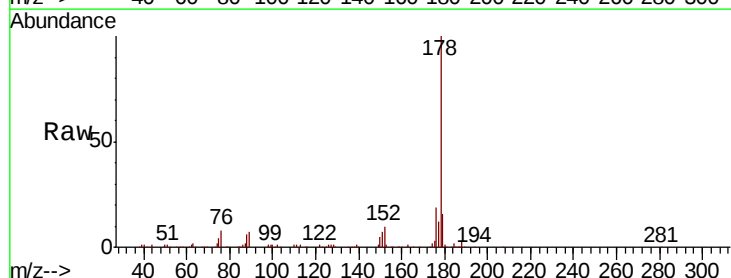
Manual Integrations
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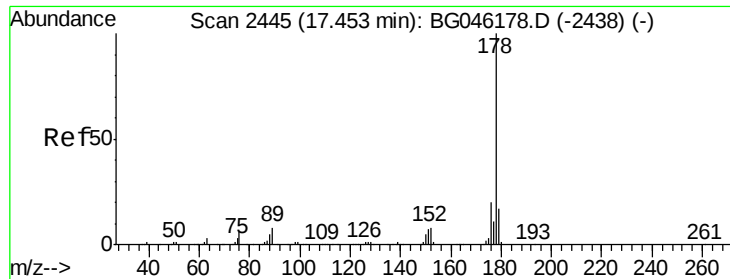
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#70
Phenanthrene
Concen: 3.117 ng/ul
RT: 17.36 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BG046182.D
Acq: 6 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.0	19.6
176	19.5	16.0	24.0





#72

Anthracene

Concen: 2.312 ng/ul

RT: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG046182.D

Acq: 6 Aug 2020 14:54

Instrument :

BNA_G

ClientSampleId :

C0S92DL

Tot Ion:178 Resp: 95002

Ion Ratio Lower Upper

178 100

179 14.2 12.7 19.1

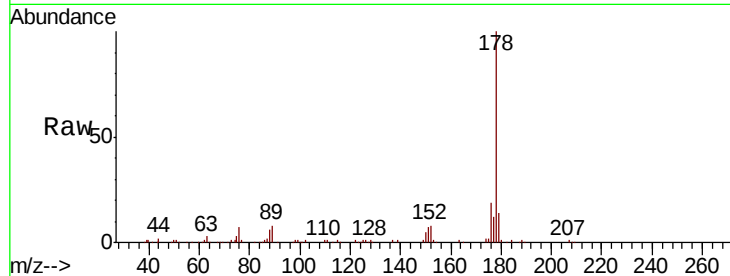
176 18.6 15.8 23.8

Manual Integrations

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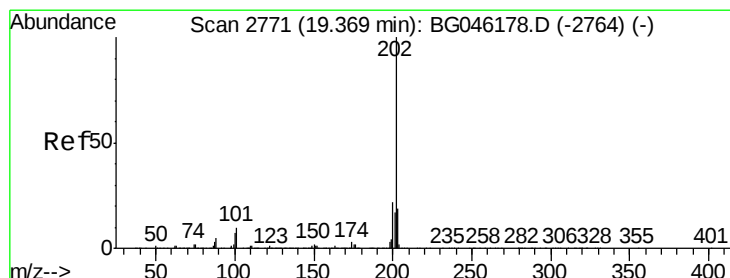
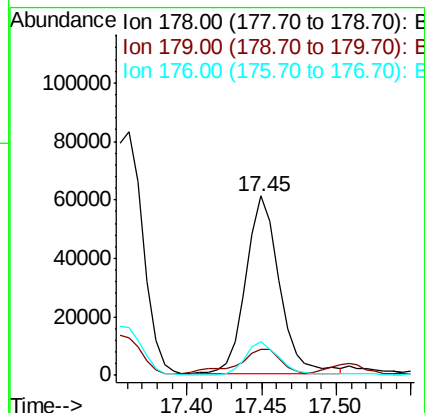
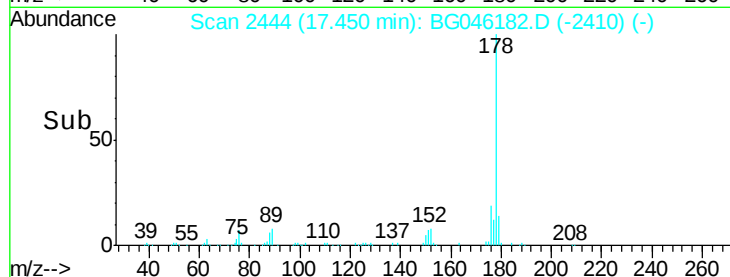
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 18.302 ng/ul

RT: 19.37 min Scan# 2771

Delta R.T. 0.01 min

Lab File: BG046182.D

Acq: 6 Aug 2020 14:54

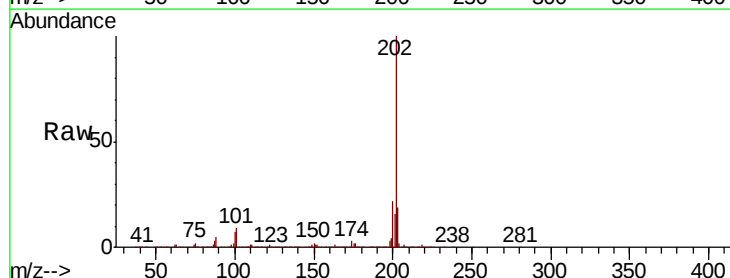
Tgt Ion:202 Resp: 827886

Ion Ratio Lower Upper

202 100

101 9.4 7.8 11.6

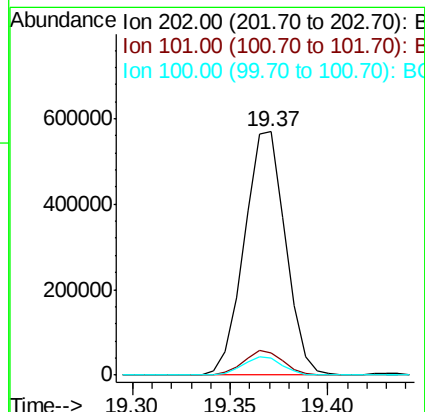
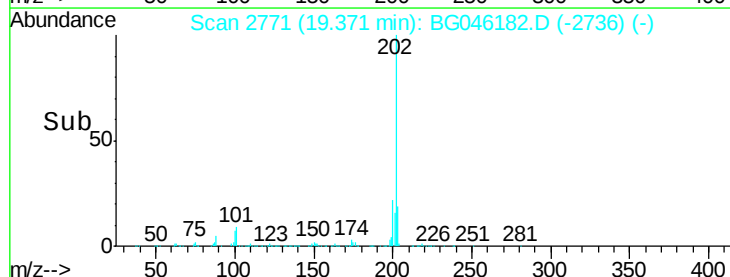
100 7.2 6.5 9.7

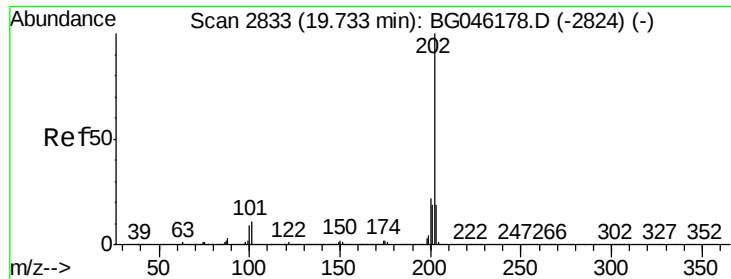


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





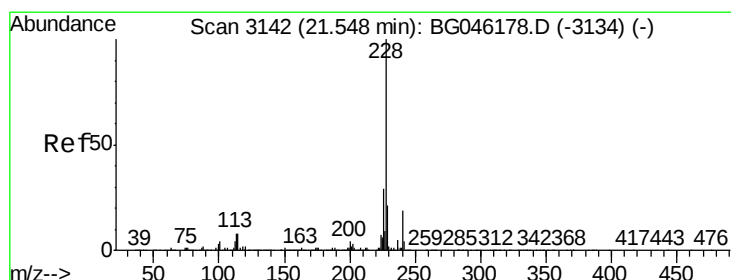
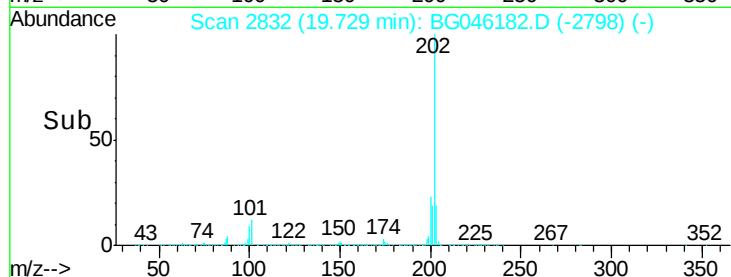
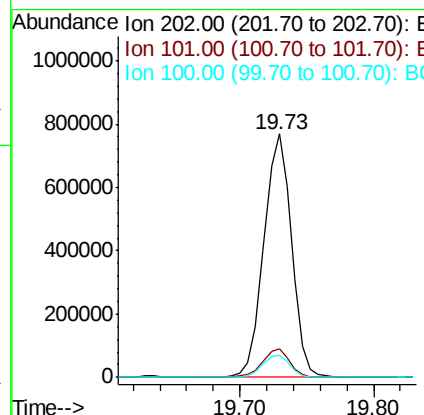
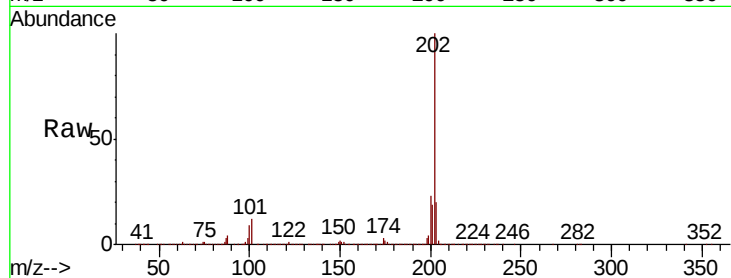
#80
Pvrene
Concen: 22.564 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG046182.D
Acq: 6 Aug 2020 14:54

Instrument :
BNA_G
ClientSampleId :
C0S92DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.0	13.4
100	9.3	7.6	11.4

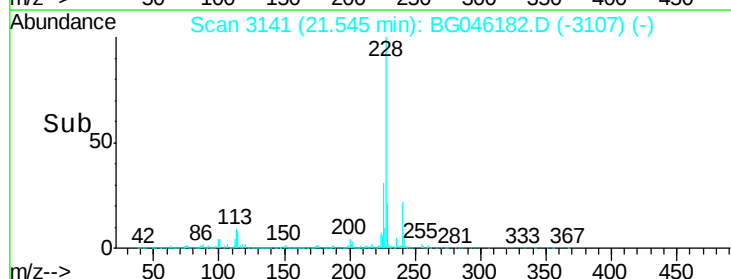
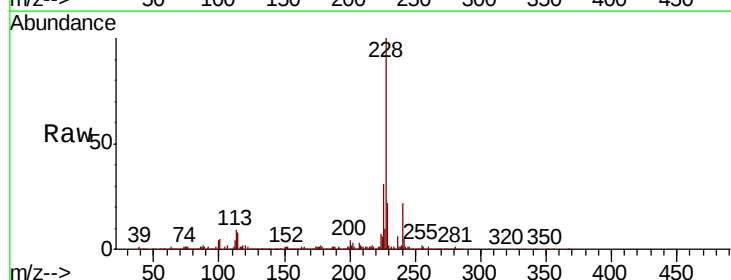
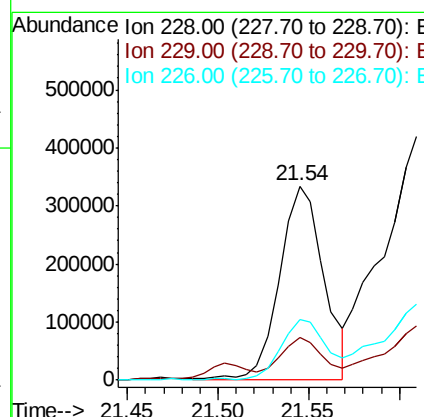
Manual Integrations
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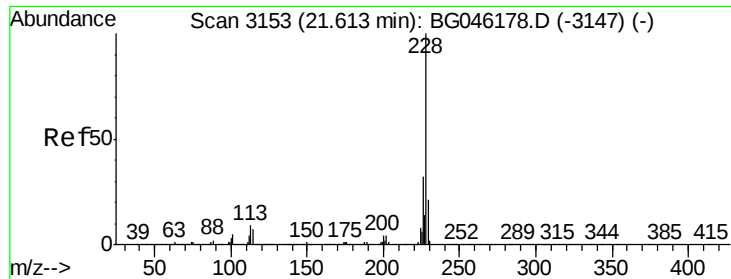
mohammad
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#83
Benzo(a)anthracene
Concen: 11.939 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046182.D
Acq: 6 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.8	16.2	24.4
226	31.5	22.6	33.8





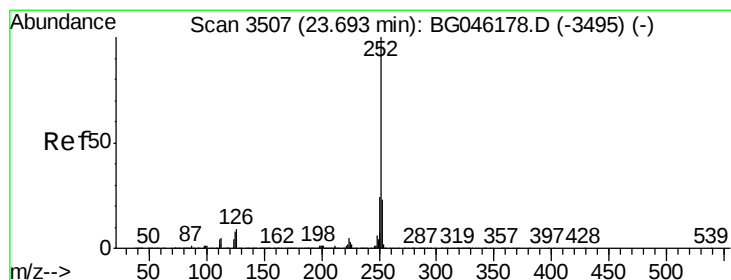
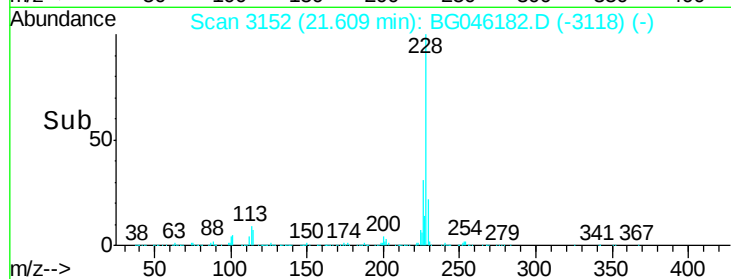
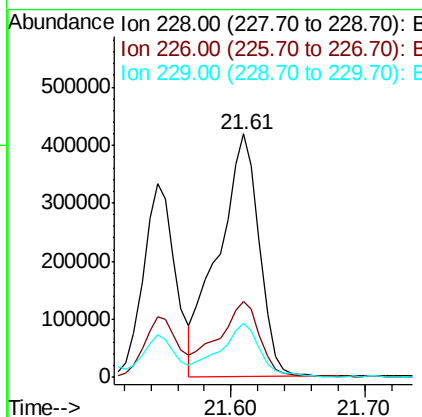
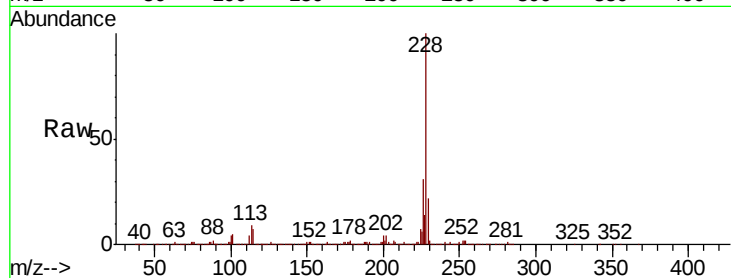
#85
 Chrysene
 Concen: 19.260 ng/ul
 RT: 21.61 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: BG046182.D
 Acq: 6 Aug 2020 14:54

Instrument :
 BNA_G
 ClientSampled :
 C0S92DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.3	37.9
229	22.0	16.9	25.3

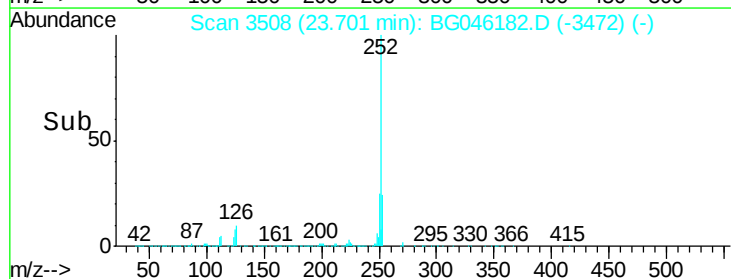
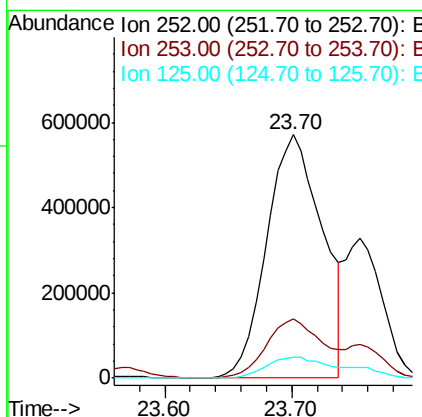
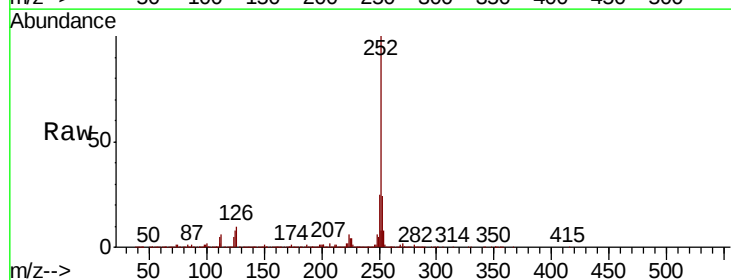
Manual Integrations
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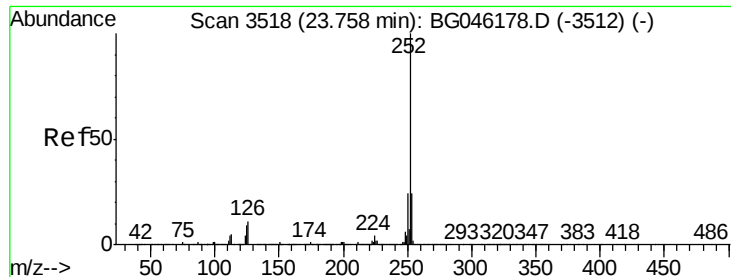
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#88
 Benzo(b)fluoranthene
 Concen: 32.797 ng/ul
 RT: 23.70 min Scan# 3508
 Delta R.T. 0.01 min
 Lab File: BG046182.D
 Acq: 6 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	8.3	6.3	9.5





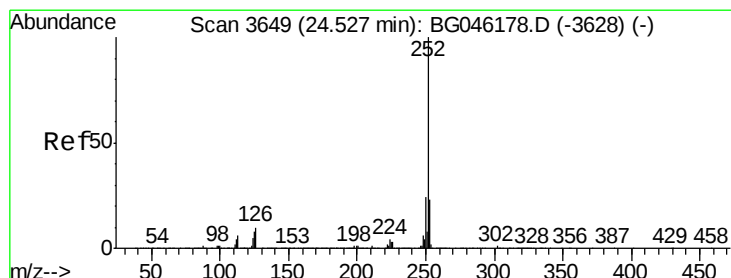
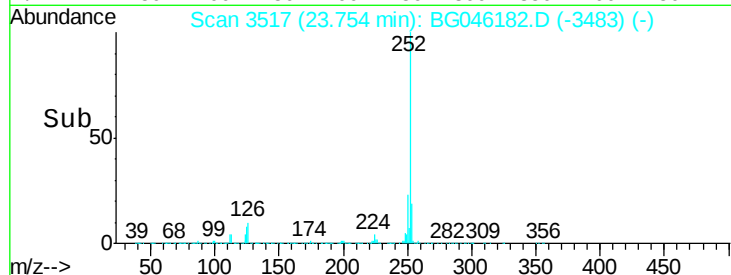
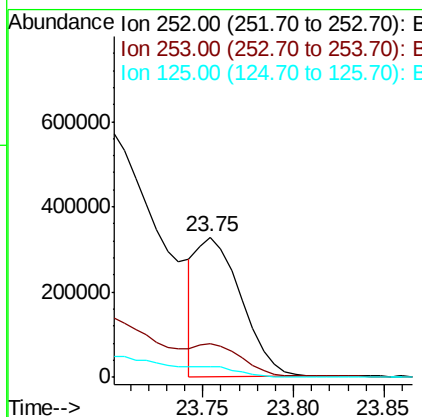
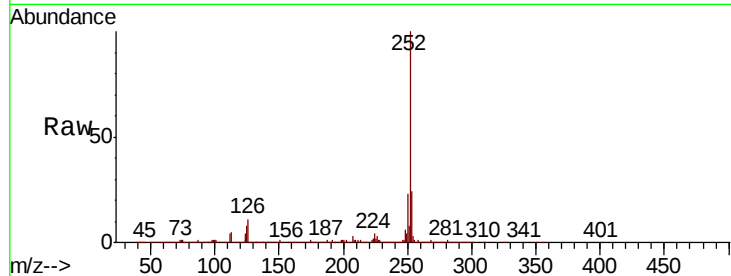
#89
Benzo(k)fluoranthene
Concen: 10.698 ng/ul
RT: 23.75 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BG046182.D
Acq: 6 Aug 2020 14:54

Instrument :
BNA_G
ClientSampleId :
C0S92DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.8	28.2
125	8.0	6.7	10.1

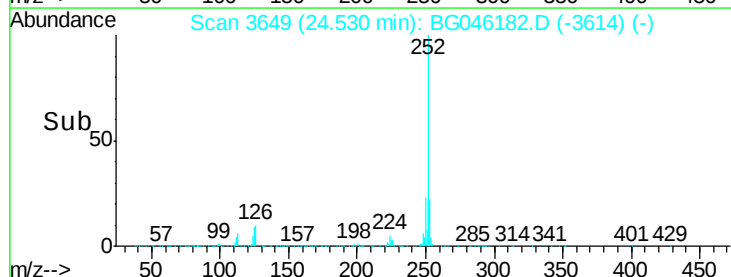
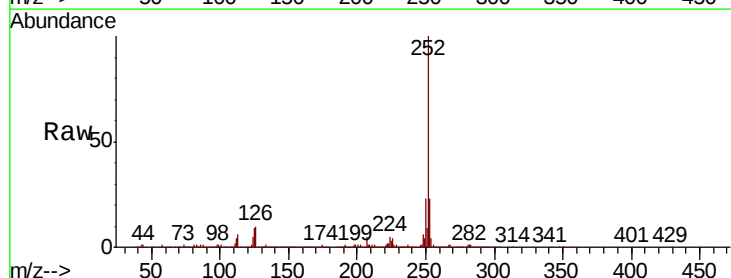
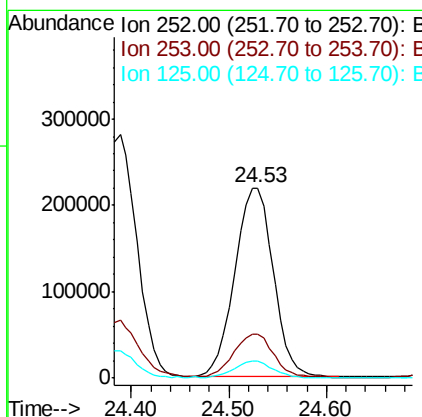
Manual Integrations
APPROVED

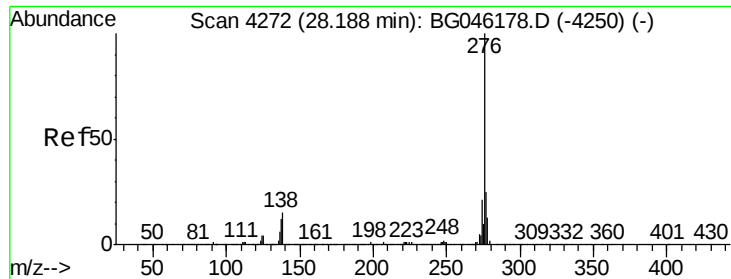
mohammad
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#91
Benzo(a)pyrene
Concen: 12.351 ng/ul
RT: 24.53 min Scan# 3649
Delta R.T. 0.01 min
Lab File: BG046182.D
Acq: 6 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.0	7.4	11.2





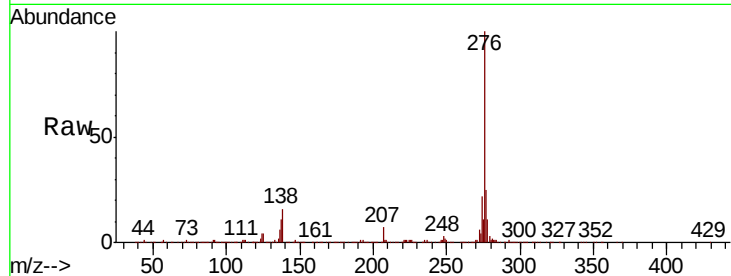
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 12.800 ng/ul
 RT: 28.18 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: BG046182.D
 Acq: 6 Aug 2020 14:54

Instrument :
 BNA_G
 ClientSampleId :
 C0S92DL

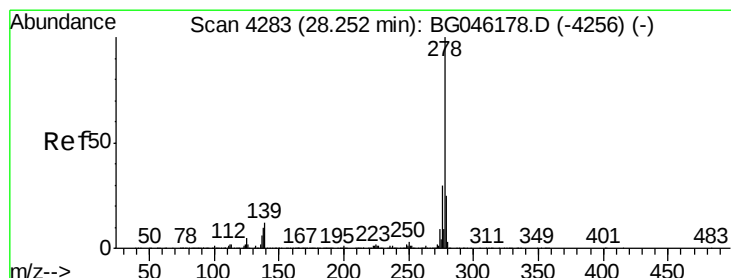
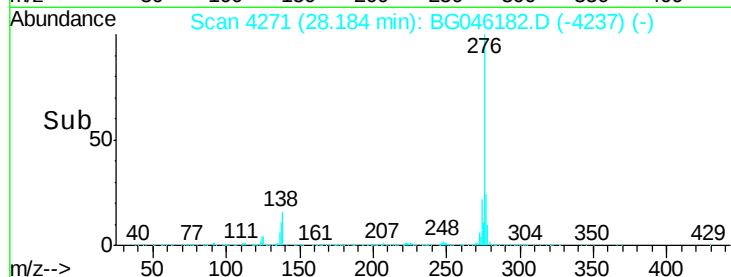
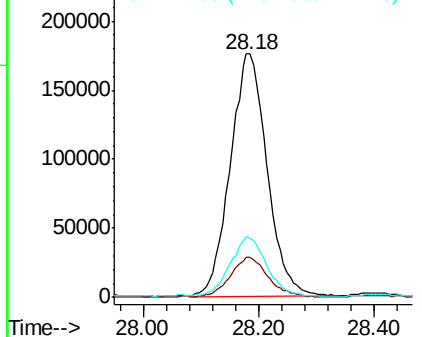
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	12.6	18.8
277	24.5	18.5	27.7

Manual Integrations
 APPROVED

mohammad
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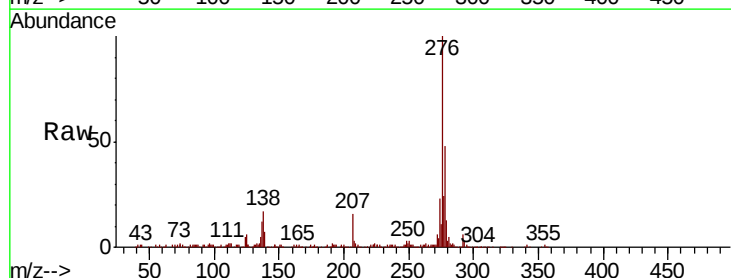


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

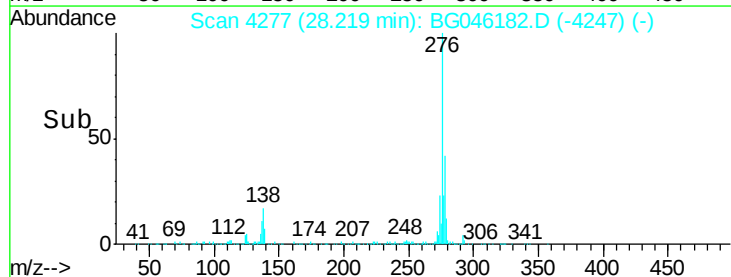
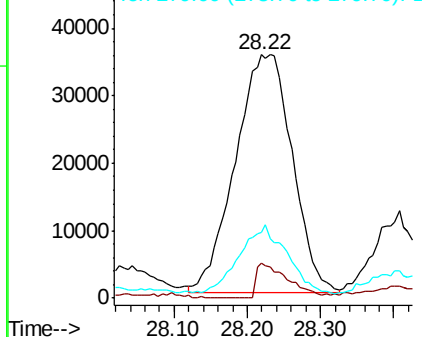


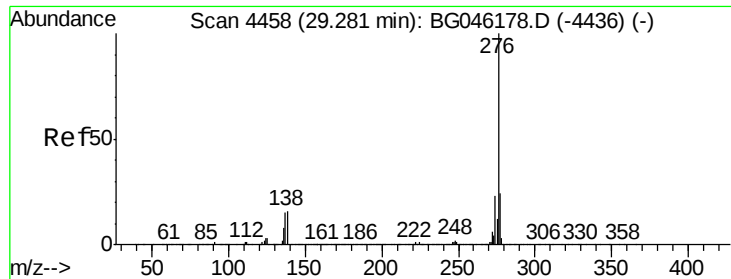
#93
 Dibenzo(a,h)anthracene
 Concen: 3.838 ng/ul m
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.02 min
 Lab File: BG046182.D
 Acq: 6 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	10.6	16.0
279	27.1	19.4	29.0



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





#94
 Benzo(a,h,i)perylene
 Concen: 4.160 ng/ul
 RT: 29.27 min Scan# 4455
 Delta R.T. -0.01 min
 Lab File: BG046182.D
 Acq: 6 Aug 2020 14:54

Instrument :
 BNA_G
 ClientSampleId :
 C0S92DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.7	13.6	20.4
277	23.9	18.8	28.2

Manual Integrations
 APPROVED

mohammad
 8/7/2020 1:49:55 PM

