

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081021\
 Data File : BG049762.D
 Acq On : 10 Aug 2021 18:28
 Operator : CG/JU
 Sample : M3182-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C00D8

Manual Integrations
 APPROVED

mohammad
 8/11/2021 9:32:37 PM

Quant Time: Aug 11 03:05:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 10 16:55:58 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.037	152	27661	20.000	ng/ul	0.00
20) Naphthalene-d8	10.856	136	114647	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.686	164	82540	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.442	188	163831	20.000	ng/ul	0.00
79) Chrysene-d12	21.724	240	144691	20.000	ng/ul	0.00
88) Perylene-d12	24.996	264	148792	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.408	96	1310m	2.214	ng/uL	0.00
4) Pyridine-d5	3.854	84	10015	5.641	ng/ul	0.01
7) Phenol-d5	7.197	99	32109	12.790	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.355	67	18109	12.558	ng/ul	0.00
11) 2-Chlorophenol-d4	7.567	132	24216	13.478	ng/ul	0.00
15) 4-Methylphenol-d8	8.747	113	21320	11.138	ng/ul	0.00
21) Nitrobenzene-d5	9.206	128	12971	14.363	ng/ul	0.00
24) 2-Nitrophenol-d4	9.934	143	16153m	15.662	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.480	165	28496	14.653	ng/ul	0.00
31) 4-Chloroaniline-d4	10.991	131	14633	5.496	ng/ul	0.00
46) Dimethylphthalate-d6	14.087	166	100636	15.537	ng/ul	0.00
49) Acenaphthylene-d8	14.381	160	116934	15.174	ng/ul	0.00
54) 4-Nitrophenol-d4	14.904	143	12281	11.727	ng/ul	0.00
60) Fluorene-d10	15.679	176	85591	15.372	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.808	200	14531	13.178	ng/ul	0.00
73) Anthracene-d10	17.541	188	121832	15.754	ng/ul	0.00
81) Pyrene-d10	19.827	212	138244	17.341	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.773	264	132358	16.235	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.903	128	10625	1.775	ng/ul#	93
36) 2-Methylnaphthalene	12.519	142	7034	1.534	ng/ul	85
37) 1-Methylnaphthalene	12.736	142	5522	1.238	ng/ul#	89
50) Acenaphthylene	14.416	152	21910	3.013	ng/ul	98
56) Dibenzofuran	15.086	168	30010	4.165	ng/ul	96
61) Fluorene	15.738	166	49677	8.479	ng/ul	94
72) Phenanthrene	17.483	178	530351	61.162	ng/ul	98
74) Anthracene	17.577	178	86772	10.004	ng/ul	98
77) Carbazole	17.847	167	25158	3.246	ng/ul	96
80) Fluoranthene	19.498	202	697437	70.887	ng/ul	99
82) Pyrene	19.856	202	488596	49.790	ng/ul	100
85) Benzo(a)anthracene	21.700	228	233554	24.585	ng/ul	98
87) Chrysene	21.765	228	194082	21.875	ng/ul	95
90) Benzo(b)fluoranthene	23.956	252	248047	25.506	ng/ul	97
91) Benzo(k)fluoranthene	24.009	252	90246m	9.346	ng/ul	
93) Benzo(a)pyrene	24.837	252	160087	18.699	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.738	276	116821m	10.398	ng/ul	
95) Dibenzo(a,h)anthracene	28.791	278	30767m	3.283	ng/ul	
96) Benzo(g,h,i)perylene	29.895	276	39862m	4.267	ng/ul	

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

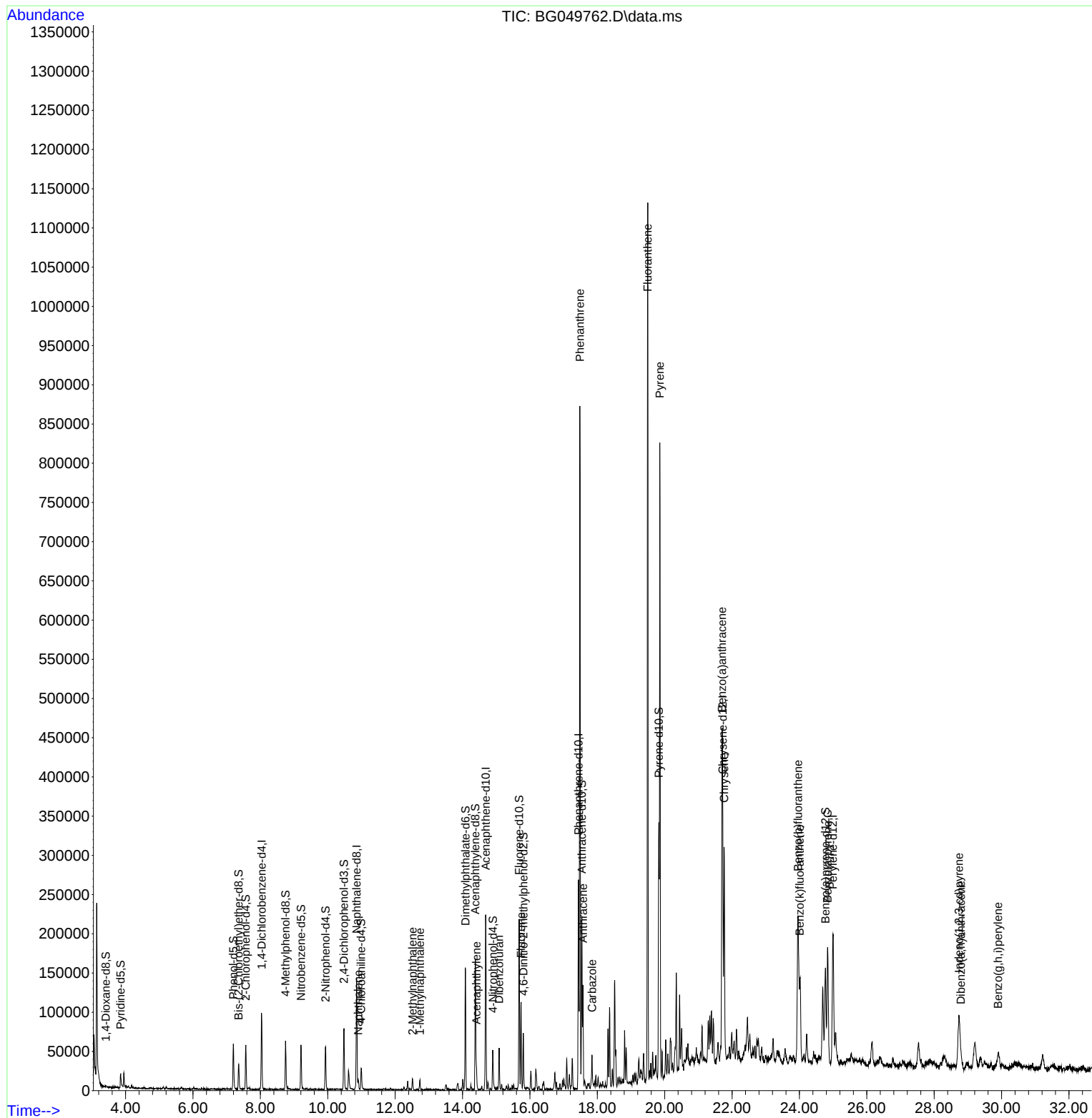
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081021\
Data File : BG049762.D
Acq On : 10 Aug 2021 18:28
Operator : CG/JU
Sample : M3182-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

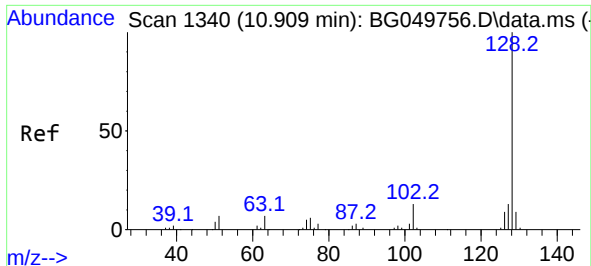
Instrument :
BNA_G
ClientSampleId :
C00D8

Manual Integrations
APPROVED

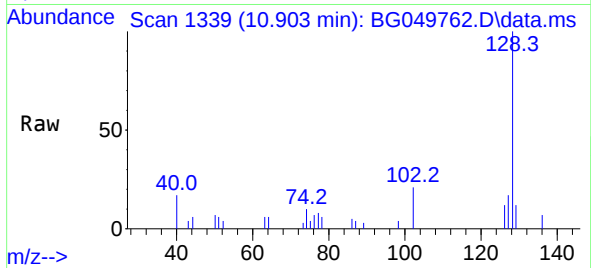
mohammad
8/11/2021 9:32:37 PM

Quant Time: Aug 11 03:05:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 10 16:55:58 2021
Response via : Initial Calibration

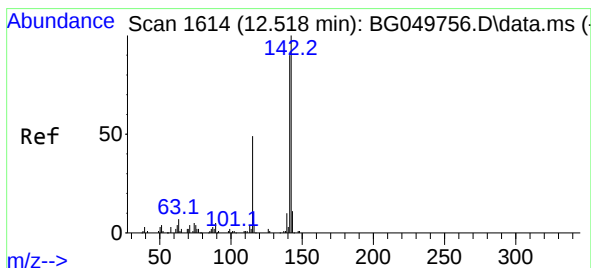
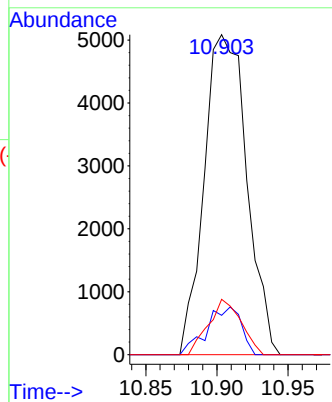
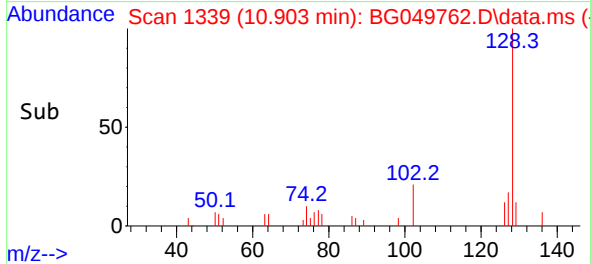




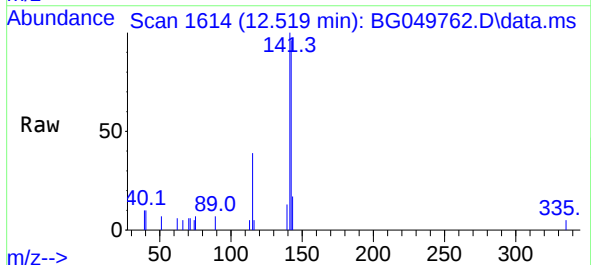
#30
Naphthalene
Concen: 1.775 ng/ul
RT: 10.903 min Scan# 1339
Delta R.T. -0.005 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28



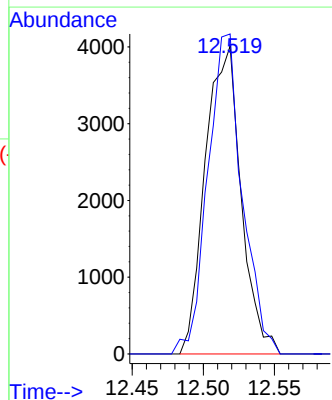
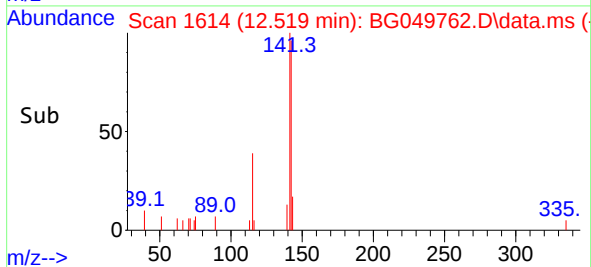
Tgt Ion:128 Resp: 10625
Ion Ratio Lower Upper
128 100
129 12.3 8.7 13.1
127 17.3 10.6 16.0#



#36
2-Methylnaphthalene
Concen: 1.534 ng/ul
RT: 12.519 min Scan# 1614
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28



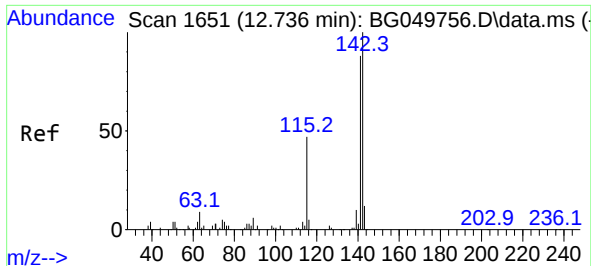
Tgt Ion:142 Resp: 7034
Ion Ratio Lower Upper
142 100
141 103.9 71.8 107.8



Instrument :
BNA_G
ClientSampled :
C00D8

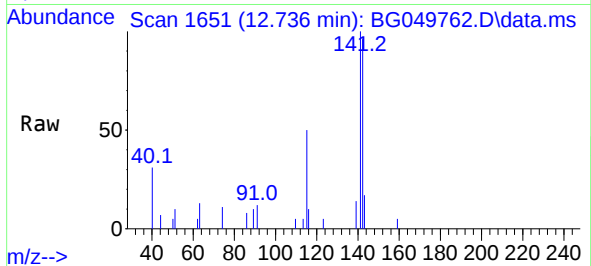
Manual Integrations
APPROVED

mohammad
8/11/2021 9:32:37 PM



#37
1-Methylnaphthalene
Concen: 1.238 ng/ul
RT: 12.736 min Scan# 1651
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

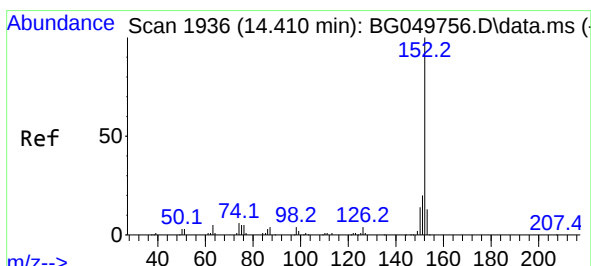
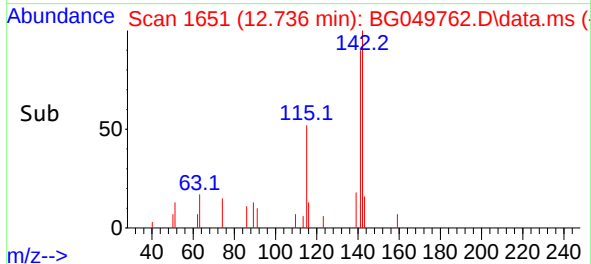
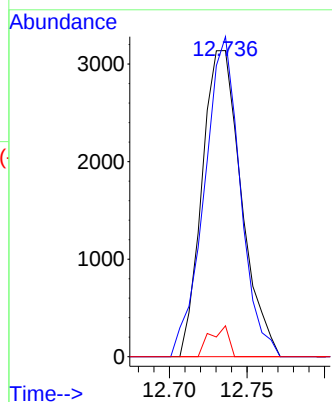
Instrument :
BNA_G
ClientSampled :
C00D8



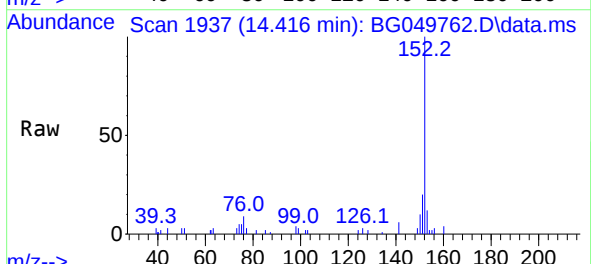
Tgt Ion:142 Resp: 5522
Ion Ratio Lower Upper
142 100
141 104.6 75.4 113.0
116 10.1 4.2 6.2#

Manual Integrations
APPROVED

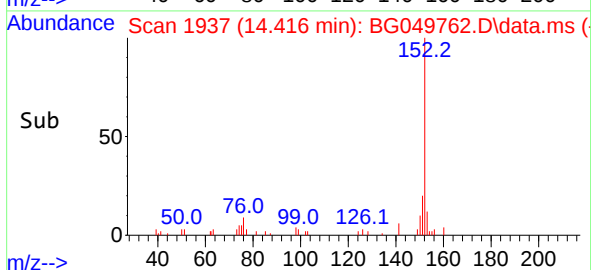
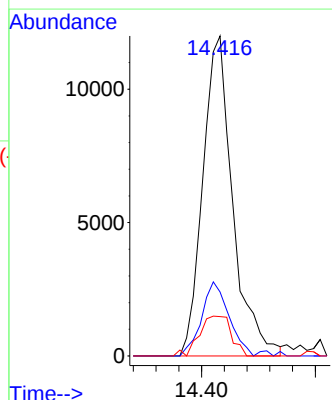
mohammad
8/11/2021 9:32:37 PM

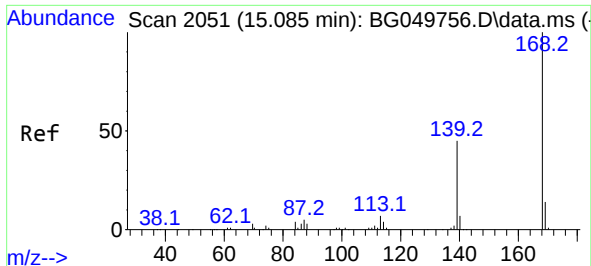


#50
Acenaphthylene
Concen: 3.013 ng/ul
RT: 14.416 min Scan# 1937
Delta R.T. 0.006 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28



Tgt Ion:152 Resp: 21910
Ion Ratio Lower Upper
152 100
151 20.0 16.3 24.5
153 12.3 11.4 17.0





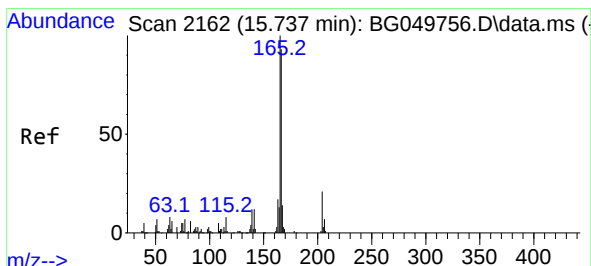
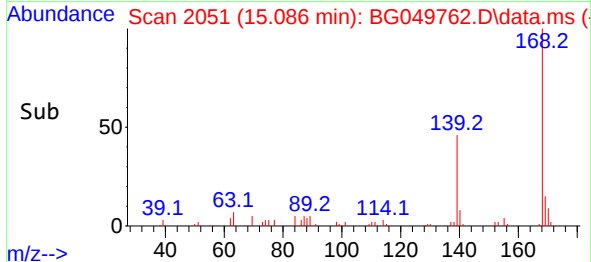
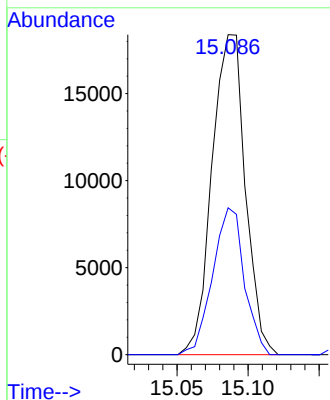
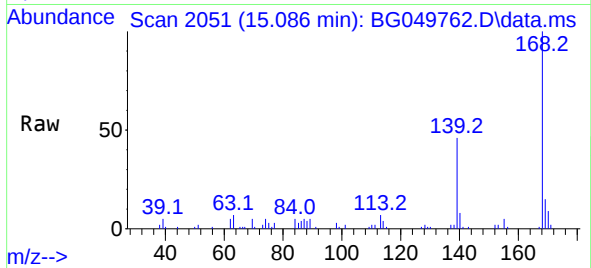
#56
Dibenzenofuran
Concen: 4.165 ng/ul
RT: 15.086 min Scan# 2051
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

Tgt Ion:168 Resp: 30010
Ion Ratio Lower Upper
168 100
139 45.9 34.6 52.0

Instrument :
BNA_G
ClientSampled :
C00D8

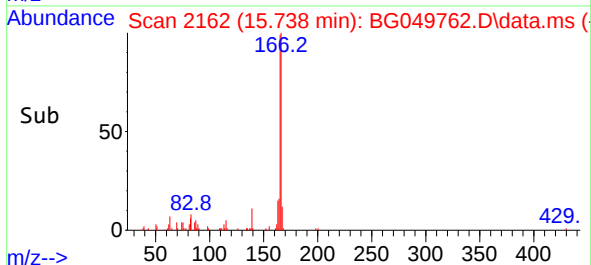
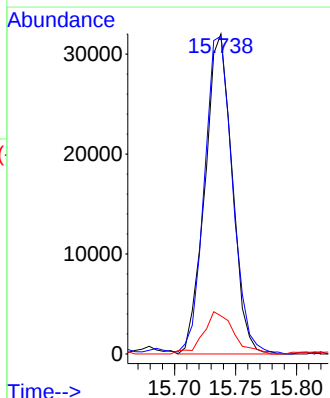
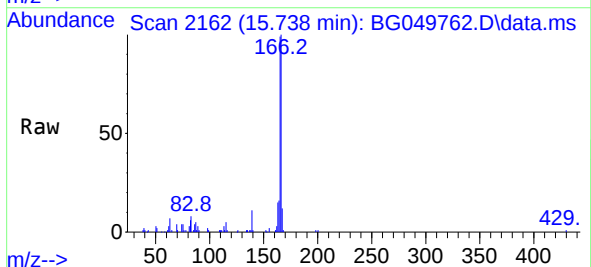
Manual Integrations
APPROVED

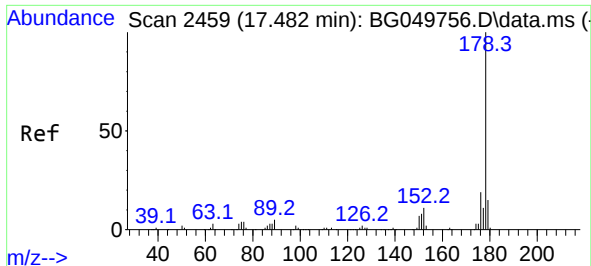
mohammad
8/11/2021 9:32:37 PM



#61
Fluorene
Concen: 8.479 ng/ul
RT: 15.738 min Scan# 2162
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

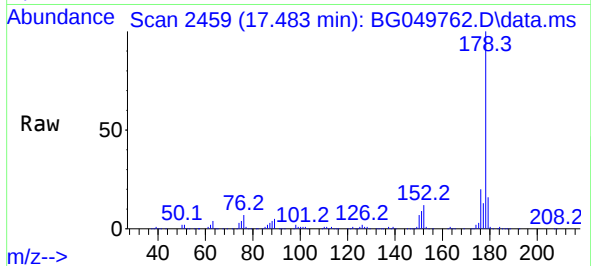
Tgt Ion:166 Resp: 49677
Ion Ratio Lower Upper
166 100
165 99.3 74.5 111.7
167 11.9 10.5 15.7





#72
Phenanthrene
Concen: 61.162 ng/ul
RT: 17.483 min Scan# 2459
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

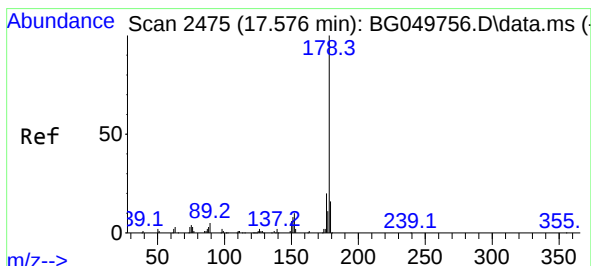
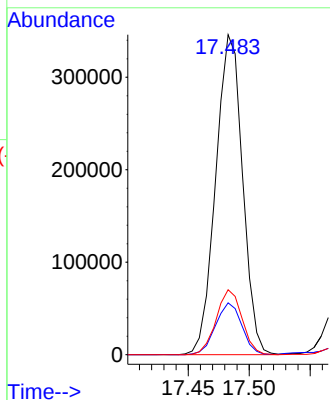
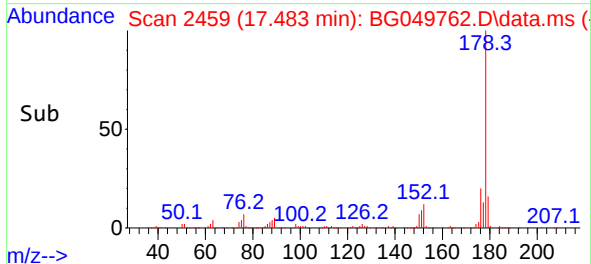
Instrument :
BNA_G
ClientSampled :
C00D8



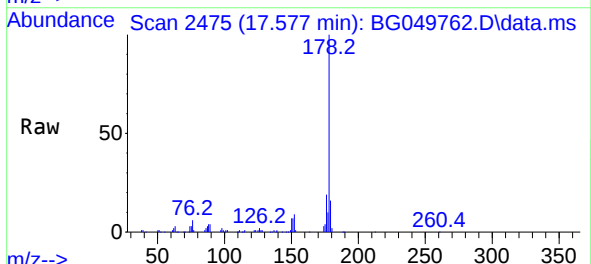
Tgt Ion:178 Resp: 530351
Ion Ratio Lower Upper
178 100
179 16.2 12.4 18.6
176 20.3 15.4 23.2

Manual Integrations
APPROVED

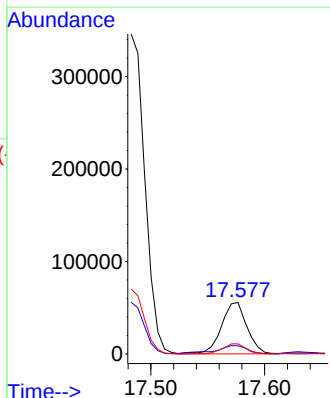
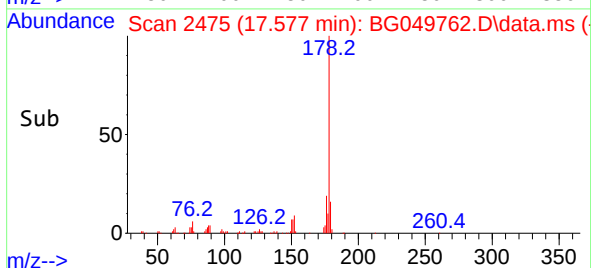
mohammad
8/11/2021 9:32:37 PM

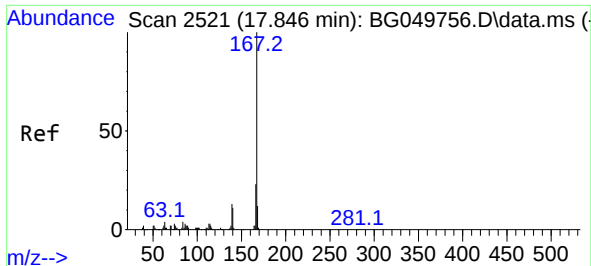


#74
Anthracene
Concen: 10.004 ng/ul
RT: 17.577 min Scan# 2475
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28



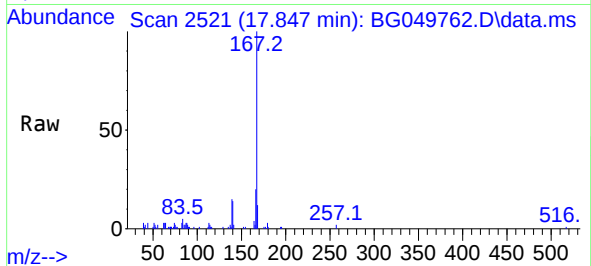
Tgt Ion:178 Resp: 86772
Ion Ratio Lower Upper
178 100
179 15.9 12.4 18.6
176 19.5 14.6 21.8





#77
 Carbazole
 Concen: 3.246 ng/ul
 RT: 17.847 min Scan# 2521
 Delta R.T. 0.001 min
 Lab File: BG049762.D
 Acq: 10 Aug 2021 18:28

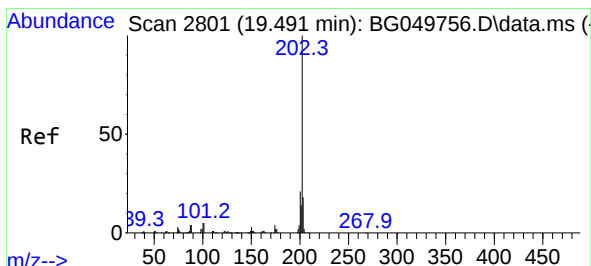
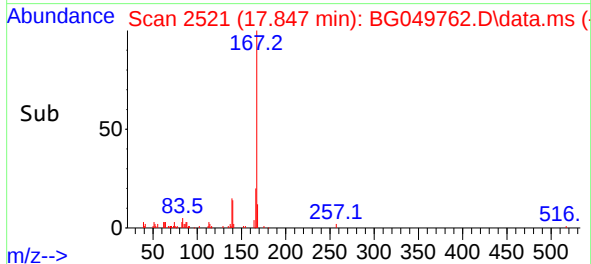
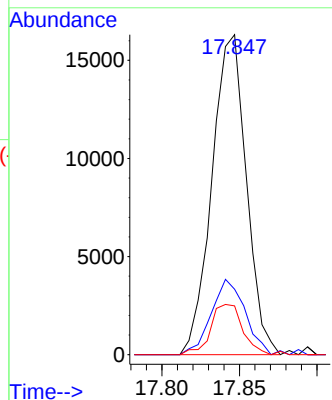
Instrument :
 BNA_G
 ClientSampled :
 C00D8



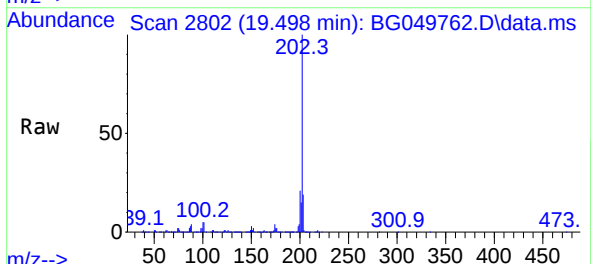
Tgt Ion:	167	Resp:	25158
Ion Ratio	Lower	Upper	
167	100		
166	20.5	17.3	25.9
139	15.3	10.4	15.6

Manual Integrations
 APPROVED

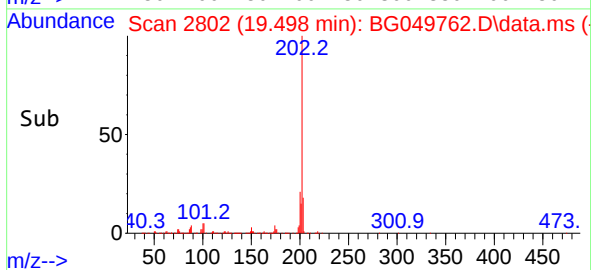
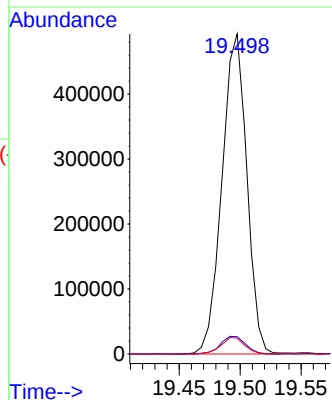
mohammad
 8/11/2021 9:32:37 PM

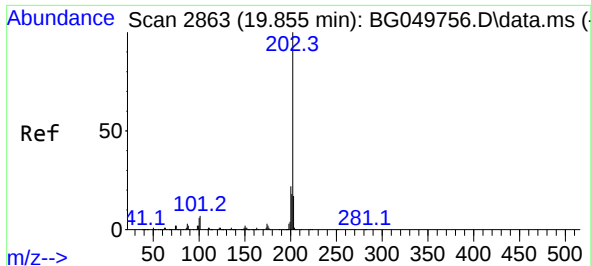


#80
 Fluoranthene
 Concen: 70.887 ng/ul
 RT: 19.498 min Scan# 2802
 Delta R.T. 0.006 min
 Lab File: BG049762.D
 Acq: 10 Aug 2021 18:28



Tgt Ion:	202	Resp:	697437
Ion Ratio	Lower	Upper	
202	100		
101	5.4	4.8	7.2
100	5.0	3.9	5.9





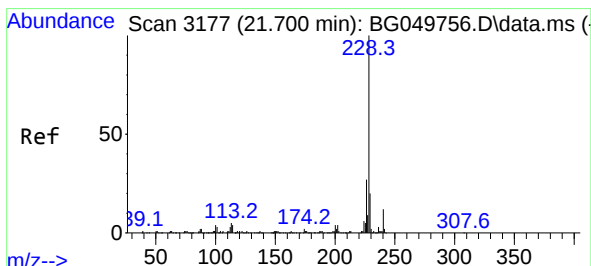
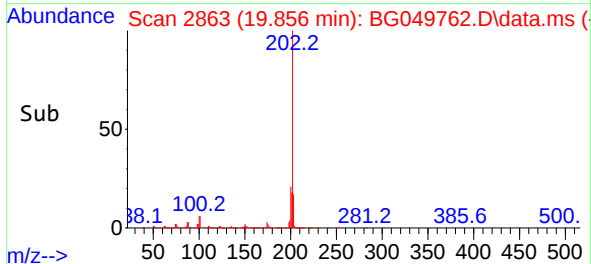
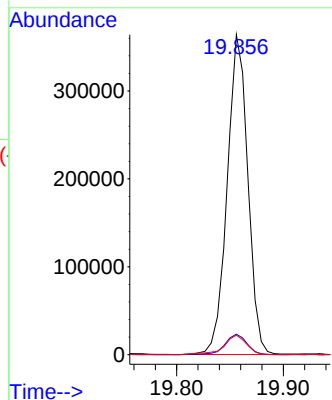
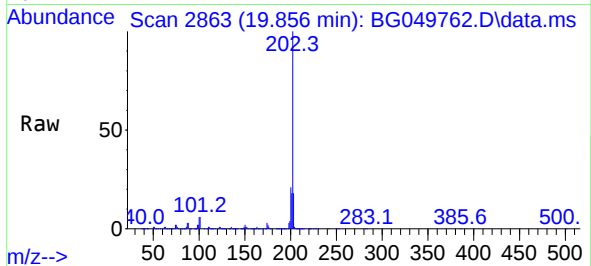
#82
Pyrene
Concen: 49.790 ng/ul
RT: 19.856 min Scan# 2863
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

Tgt Ion:202 Resp: 488596
Ion Ratio Lower Upper
202 100
101 6.4 5.2 7.8
100 6.1 4.8 7.2

Instrument :
BNA_G
ClientSampled :
C00D8

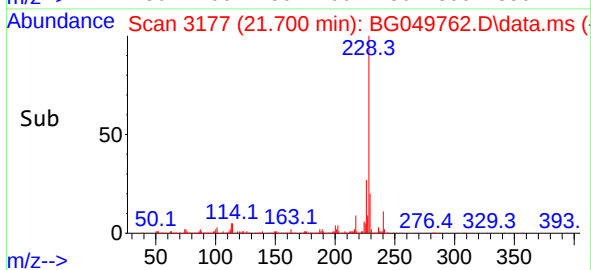
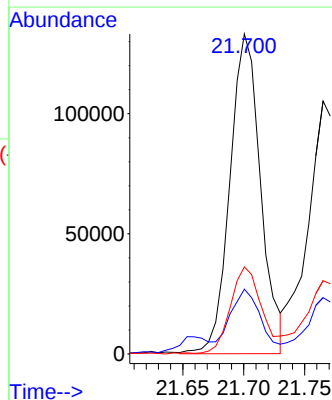
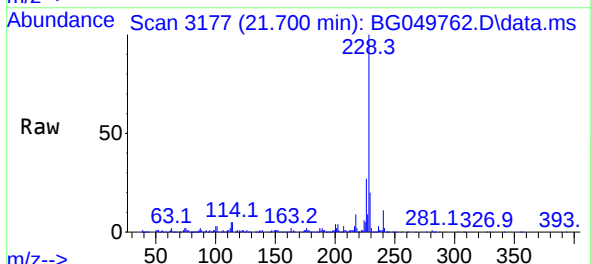
Manual Integrations
APPROVED

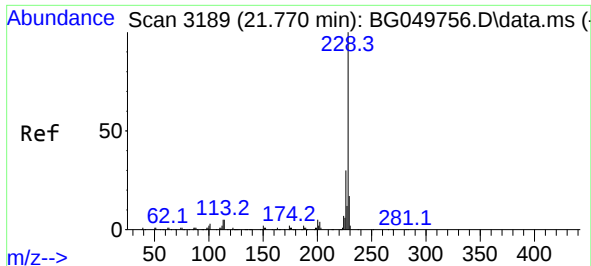
mohammad
8/11/2021 9:32:37 PM



#85
Benzo(a)anthracene
Concen: 24.585 ng/ul
RT: 21.700 min Scan# 3177
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

Tgt Ion:228 Resp: 233554
Ion Ratio Lower Upper
228 100
229 20.3 15.3 22.9
226 27.2 21.0 31.6





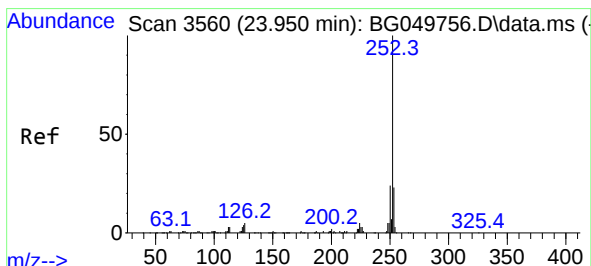
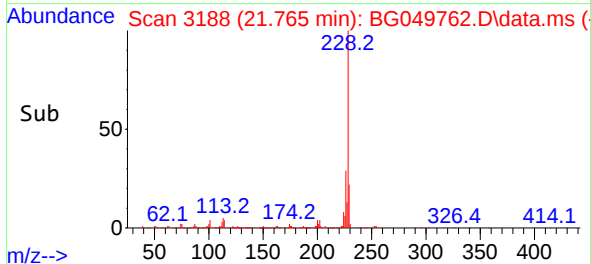
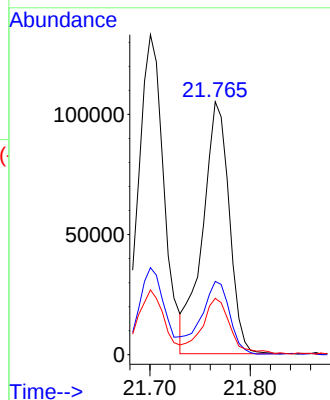
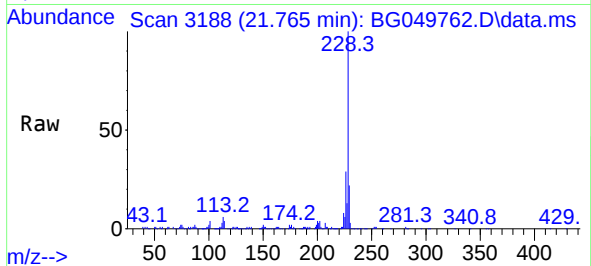
#87
Chrysene
Concen: 21.875 ng/ul
RT: 21.765 min Scan# 3188
Delta R.T. -0.005 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

Tgt Ion:	228	Resp:	194082
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.7	37.1
229	22.3	15.4	23.2

Instrument :
BNA_G
ClientSampled :
C00D8

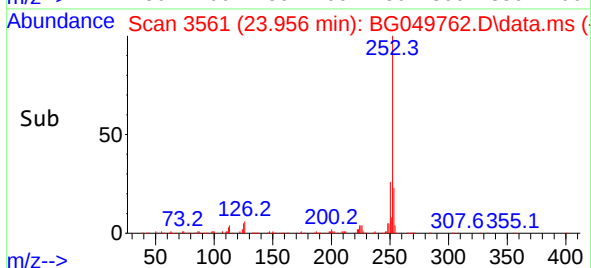
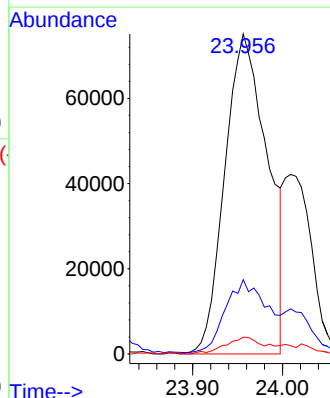
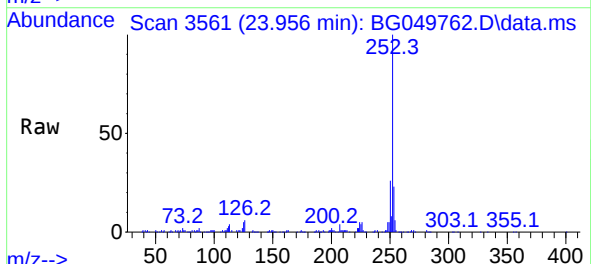
Manual Integrations
APPROVED

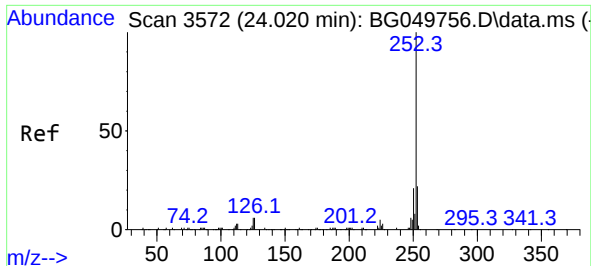
mohammad
8/11/2021 9:32:37 PM



#90
Benzo(b)fluoranthene
Concen: 25.506 ng/ul
RT: 23.956 min Scan# 3561
Delta R.T. 0.006 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

Tgt Ion:	252	Resp:	248047
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.2
125	5.3	3.7	5.5





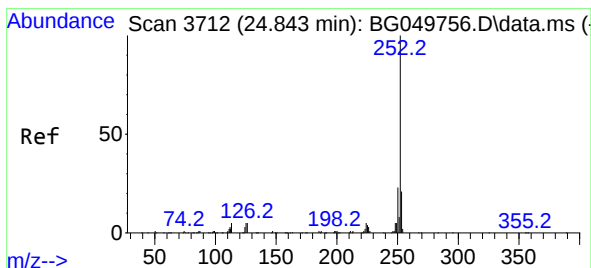
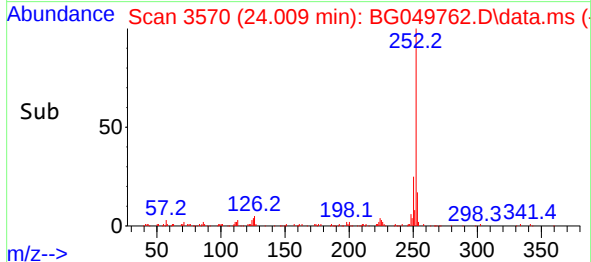
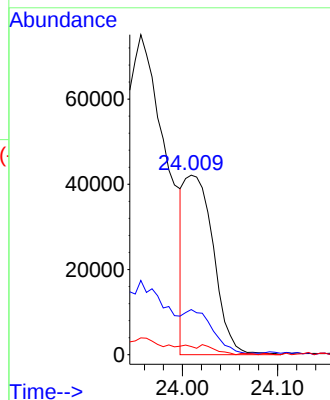
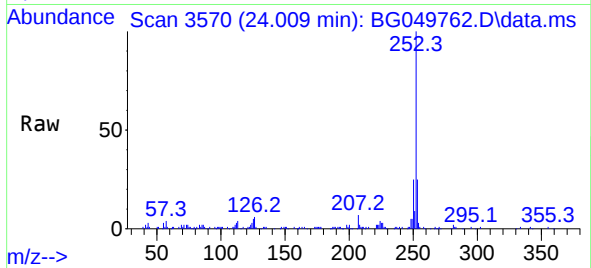
#91
Benzo(k)fluoranthene
Concen: 9.346 ng/ul m
RT: 24.009 min Scan# 3570
Delta R.T. -0.011 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

Tgt Ion:	252	Resp:	90246
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.8	26.8
125	4.6	3.8	5.8

Instrument :
BNA_G
ClientSampled :
C00D8

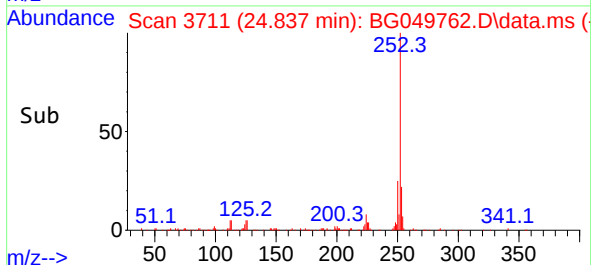
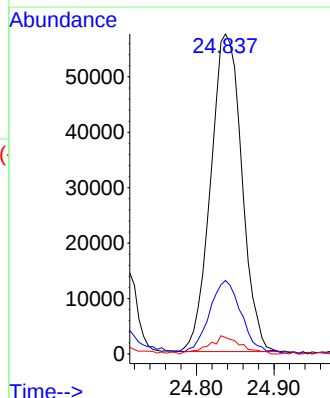
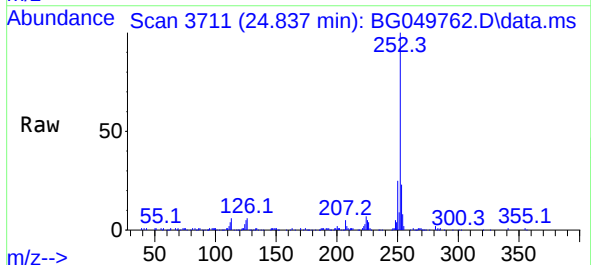
Manual Integrations
APPROVED

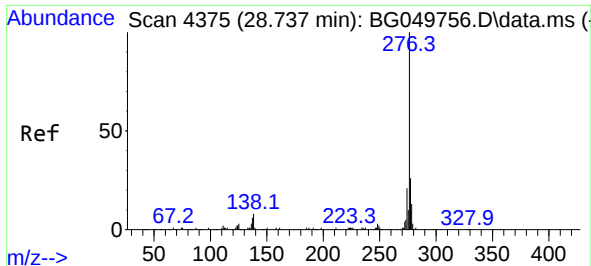
mohammad
8/11/2021 9:32:37 PM



#93
Benzo(a)pyrene
Concen: 18.699 ng/ul
RT: 24.837 min Scan# 3711
Delta R.T. -0.005 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

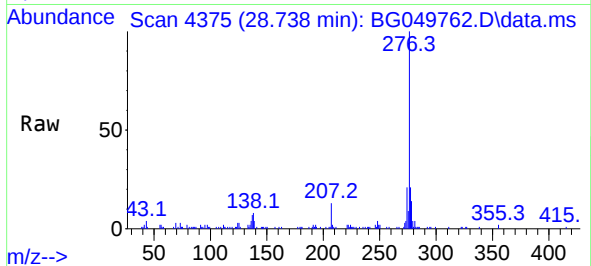
Tgt Ion:	252	Resp:	160087
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.7	26.5
125	5.1	4.6	7.0





#94
Indeno(1,2,3-cd)pyrene
Concen: 10.398 ng/ul m
RT: 28.738 min Scan# 4375
Delta R.T. 0.001 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

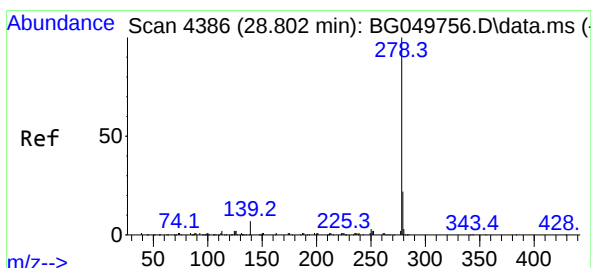
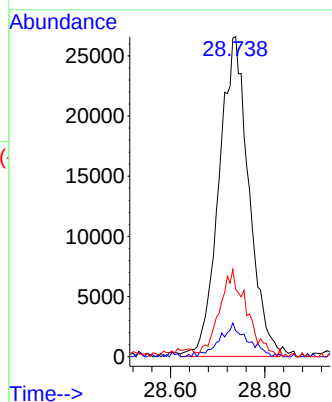
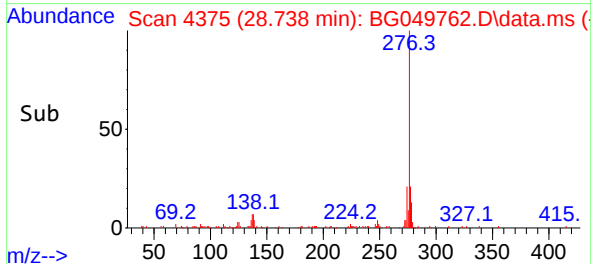
Instrument :
BNA_G
ClientSampled :
C00D8



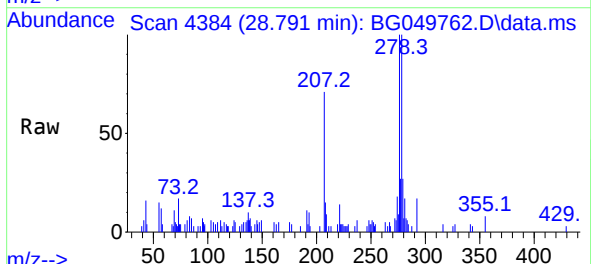
Tgt Ion:276 Resp: 116821
Ion Ratio Lower Upper
276 100
138 8.0 6.6 10.0
277 21.0 19.4 29.2

Manual Integrations
APPROVED

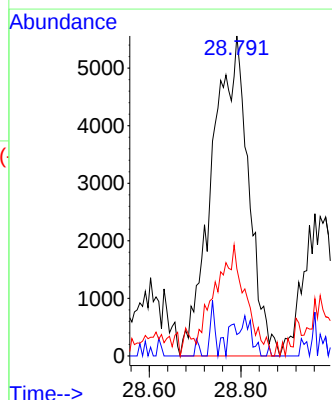
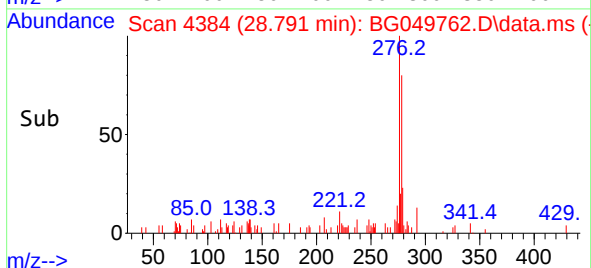
mohammad
8/11/2021 9:32:37 PM

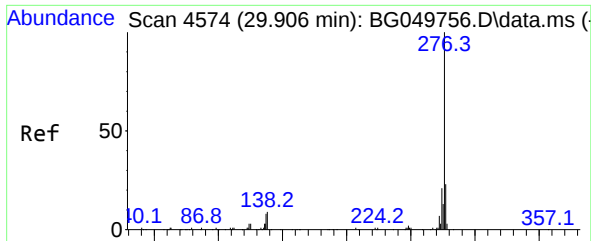


#95
Dibenzo(a,h)anthracene
Concen: 3.283 ng/ul m
RT: 28.791 min Scan# 4384
Delta R.T. -0.011 min
Lab File: BG049762.D
Acq: 10 Aug 2021 18:28

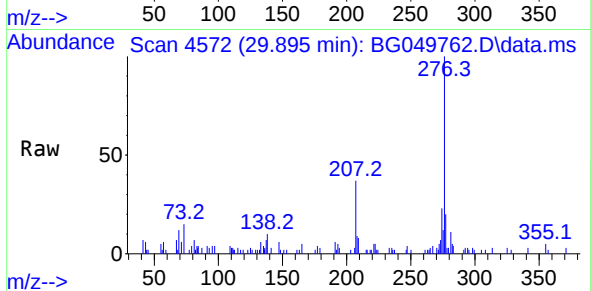


Tgt Ion:278 Resp: 30767
Ion Ratio Lower Upper
278 100
139 6.7 6.3 9.5
279 27.3 18.9 28.3

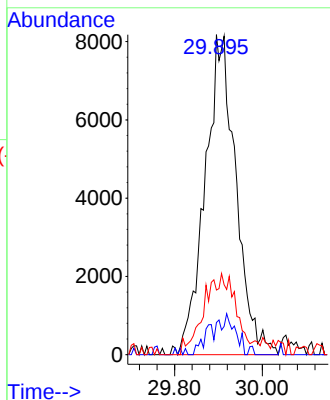
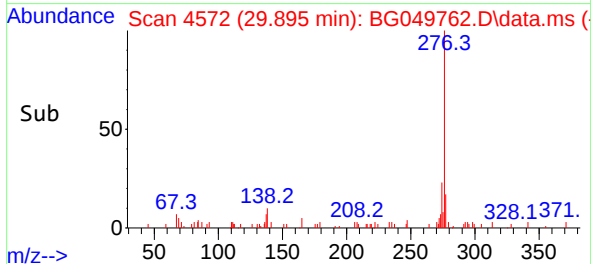




#96
 Benzo(g,h,i)perylene
 Concen: 4.267 ng/ul m
 RT: 29.895 min Scan# 4572
 Delta R.T. -0.011 min
 Lab File: BG049762.D
 Acq: 10 Aug 2021 18:28



Tgt Ion:	276	Resp:	39862
Ion Ratio	Lower	Upper	
276	100		
138	10.1	7.2	10.8
277	20.2	19.5	29.3



Instrument :
 BNA_G
 ClientSampleId :
 C00D8

Manual Integrations
 APPROVED

mohammad
 8/11/2021 9:32:37 PM