

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
 Data File : BG049382.D
 Acq On : 16 Jul 2021 17:28
 Operator : CG/JU
 Sample : M2970-16DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGE17DL

Manual Integrations
 APPROVED

mohammad
 7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:10:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 16 15:19:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.061	152	31384	20.000	ng/ul	0.00
20) Naphthalene-d8	10.887	136	130022	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.712	164	100156	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.462	188	222210m	20.000	ng/ul	0.00
79) Chrysene-d12	21.745	240	227196	20.000	ng/ul	0.00
88) Perylene-d12	25.035	264	246714	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.460	96	802m	1.202	ng/uL	0.02
4) Pyridine-d5	3.889	84	5886	3.000	ng/ul	0.02
7) Phenol-d5	7.221	99	18366	6.728	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.379	67	12282	7.757	ng/ul	0.00
11) 2-Chlorophenol-d4	7.597	132	15013	7.441	ng/ul	0.00
15) 4-Methylphenol-d8	8.772	113	16235	7.422	ng/ul	0.00
21) Nitrobenzene-d5	9.230	128	8590	8.609	ng/ul	0.00
24) 2-Nitrophenol-d4	9.959	143	8839	7.717	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.505	165	16340	7.311	ng/ul	0.00
31) 4-Chloroaniline-d4	11.016	131	16501	5.666	ng/ul	0.00
46) Dimethylphthalate-d6	14.107	166	62626	8.131	ng/ul	0.00
49) Acenaphthylene-d8	14.406	160	70477	7.798	ng/ul	0.00
54) 4-Nitrophenol-d4	14.906	143	7125	5.589	ng/ul	0.00
60) Fluorene-d10	15.705	176	55321	8.483	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	5186	3.672	ng/ul	0.00
73) Anthracene-d10	17.562	188	87272	8.626	ng/ul	0.00
81) Pyrene-d10	19.847	212	83163	7.142	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.806	264	59818	4.664	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.934	128	6745	1.040	ng/ul#	93
52) Acenaphthene	14.771	153	6687	1.146	ng/ul	92
61) Fluorene	15.758	166	12214	1.744	ng/ul	89
72) Phenanthrene	17.503	178	286547m	26.438	ng/ul	
74) Anthracene	17.597	178	118141	10.671	ng/ul	97
80) Fluoranthene	19.512	202	579715	42.806	ng/ul	99
82) Pyrene	19.877	202	330453	24.489	ng/ul	99
85) Benzo(a)anthracene	21.727	228	346186	24.795	ng/ul	96
87) Chrysene	21.792	228	254676	19.284	ng/ul	98
90) Benzo(b)fluoranthene	23.995	252	309514	20.336	ng/ul	99
91) Benzo(k)fluoranthene	24.054	252	135288m	9.116	ng/ul	
93) Benzo(a)pyrene	24.882	252	120911	9.027	ng/ul#	92
94) Indeno(1,2,3-cd)pyrene	28.784	276	90008	5.208	ng/ul	95
95) Dibenzo(a,h)anthracene	28.854	278	44844m	3.133	ng/ul	

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

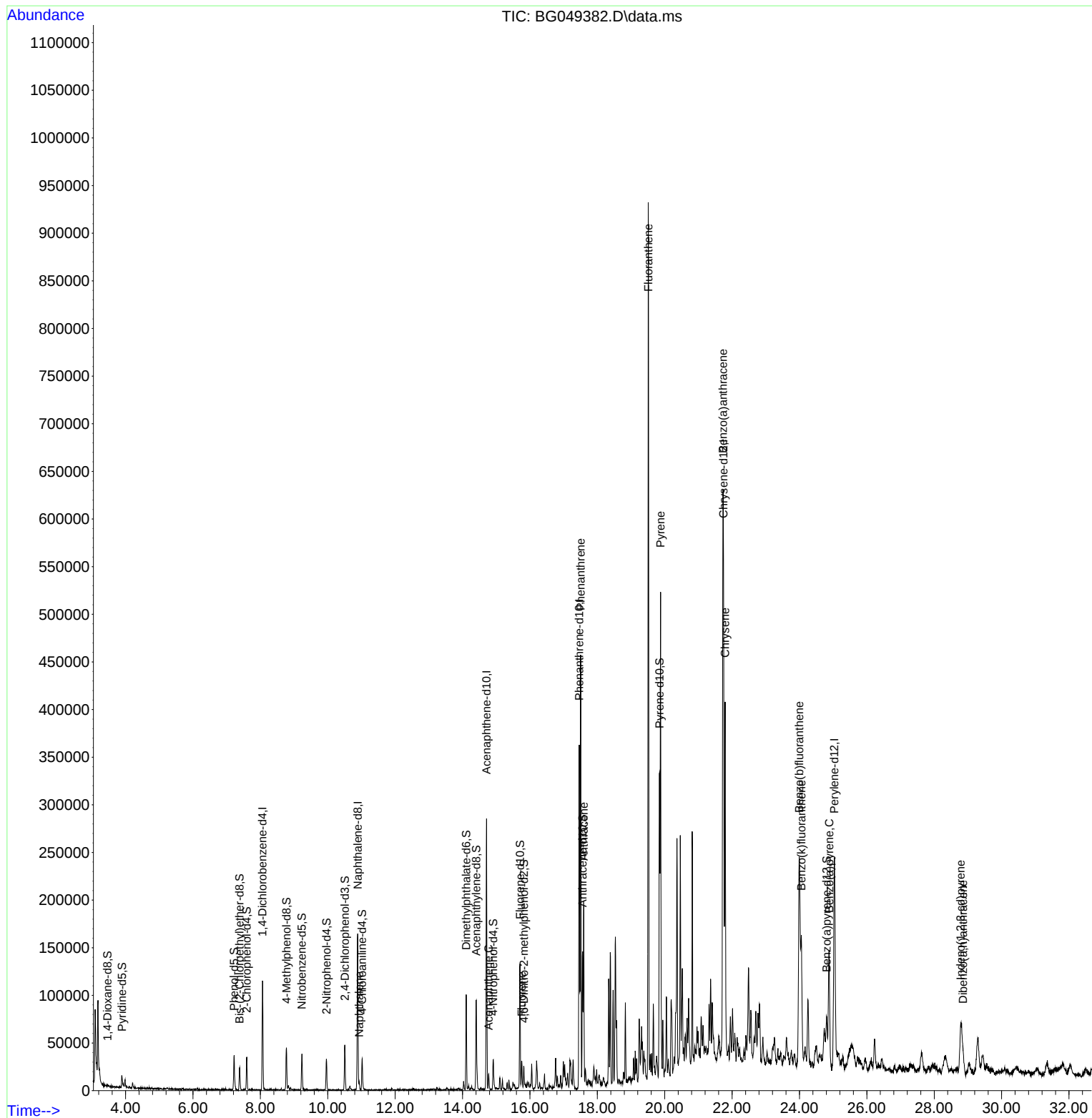
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049382.D
Acq On : 16 Jul 2021 17:28
Operator : CG/JU
Sample : M2970-16DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

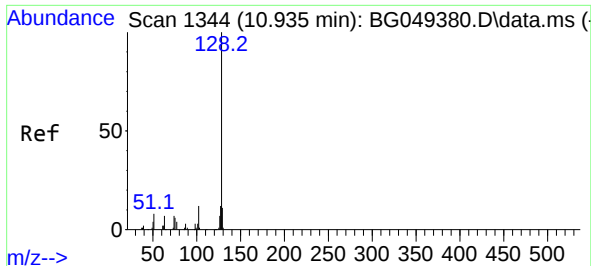
Instrument :
BNA_G
ClientSampleId :
BGE17DL

Manual Integrations
APPROVED

mohammad
7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:10:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 16 15:19:54 2021
Response via : Initial Calibration





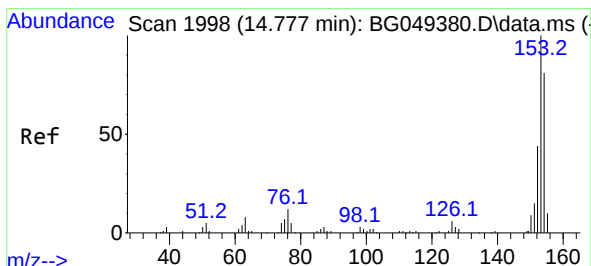
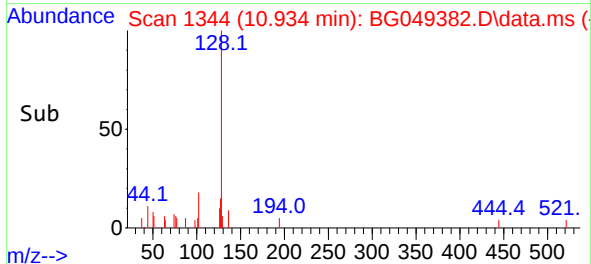
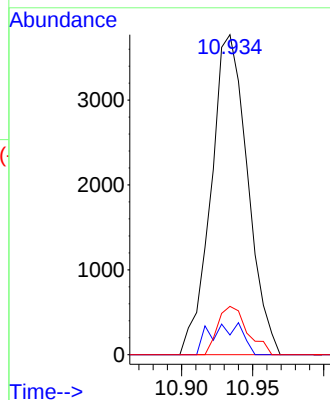
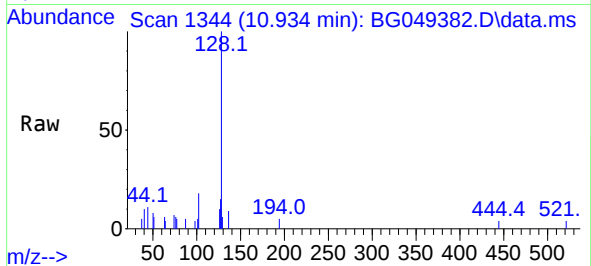
#30
Naphthalene
Concen: 1.040 ng/ul
RT: 10.934 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28

Tgt Ion:128 Resp: 6745
Ion Ratio Lower Upper
128 100
129 6.2 7.8 11.8#
127 15.1 10.6 16.0

Instrument :
BNA_G
ClientSampleId :
BGE17DL

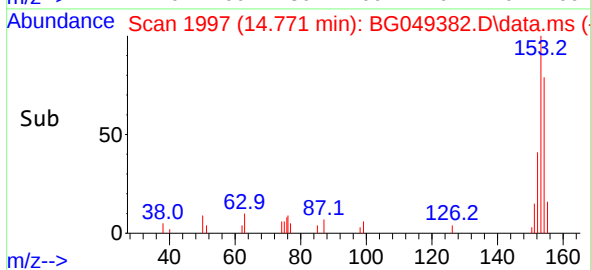
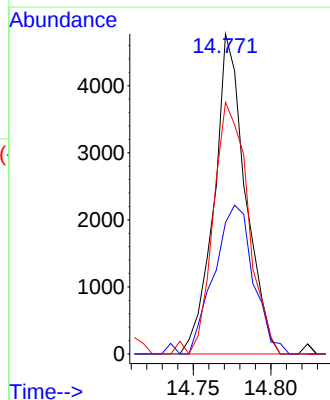
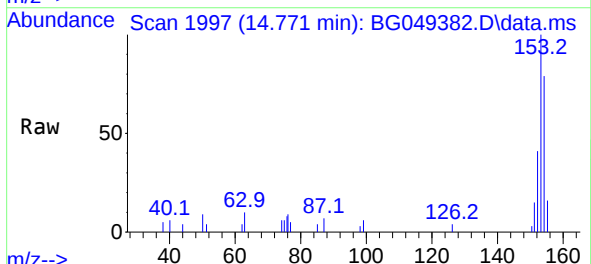
Manual Integrations
APPROVED

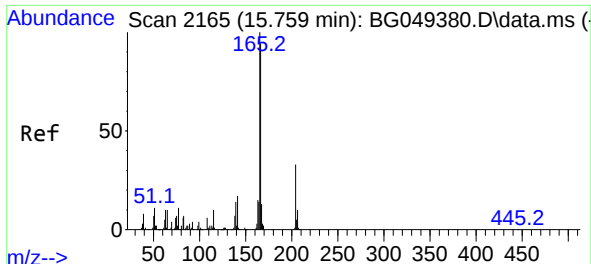
mohammad
7/19/2021 11:53:29 AM



#52
Acenaphthene
Concen: 1.146 ng/ul
RT: 14.771 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28

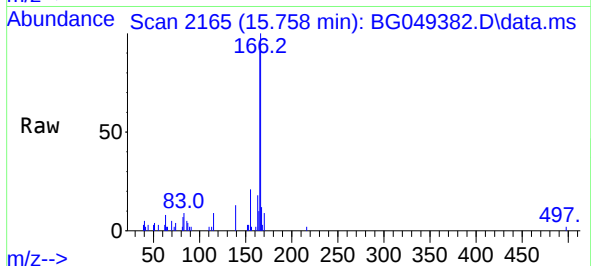
Tgt Ion:153 Resp: 6687
Ion Ratio Lower Upper
153 100
152 41.1 36.7 55.1
154 78.6 69.4 104.2





#61
Fluorene
Concen: 1.744 ng/ul
RT: 15.758 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28

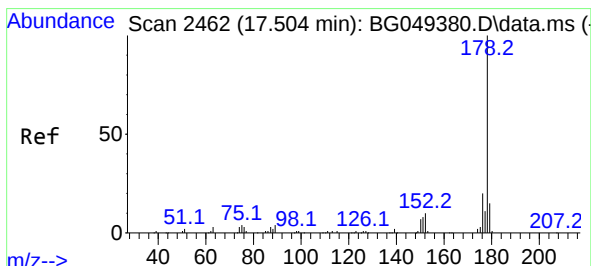
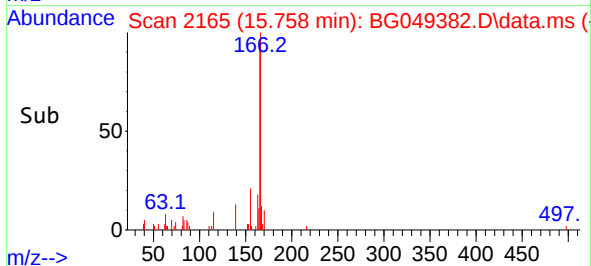
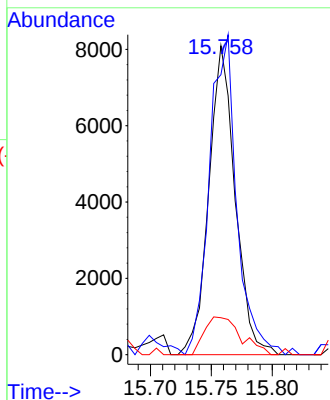
Instrument :
BNA_G
ClientSampleId :
BGE17DL



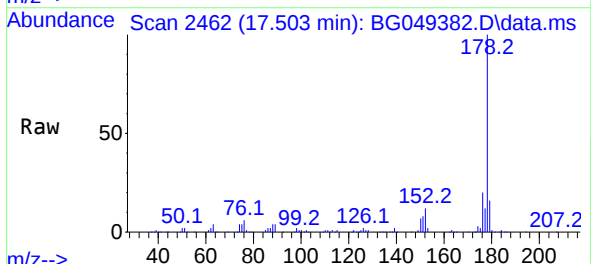
Tgt Ion:	166	Resp:	12214
Ion Ratio	Lower	Upper	
166	100		
165	90.6	81.8	122.8
167	11.9	10.5	15.7

Manual Integrations
APPROVED

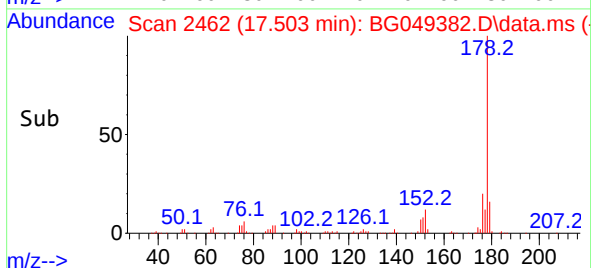
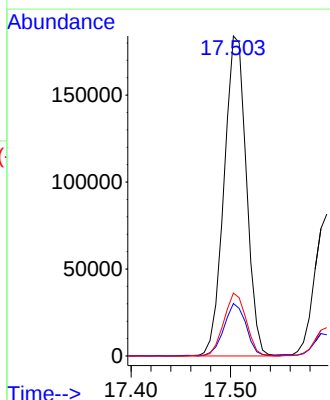
mohammad
7/19/2021 11:53:29 AM

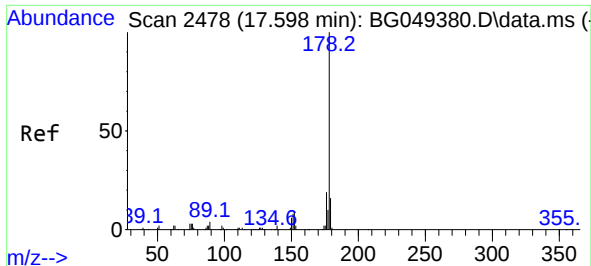


#72
Phenanthrene
Concen: 26.438 ng/ul m
RT: 17.503 min Scan# 2462
Delta R.T. -0.000 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28



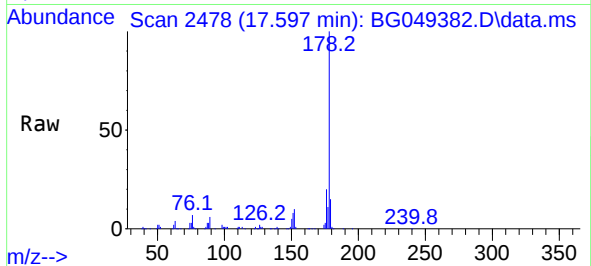
Tgt Ion:	178	Resp:	286547
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.8	19.2
176	19.7	15.8	23.8





#74
 Anthracene
 Concen: 10.671 ng/ul
 RT: 17.597 min Scan# 2478
 Delta R.T. -0.000 min
 Lab File: BG049382.D
 Acq: 16 Jul 2021 17:28

Instrument :
 BNA_G
 ClientSampleId :
 BGE17DL

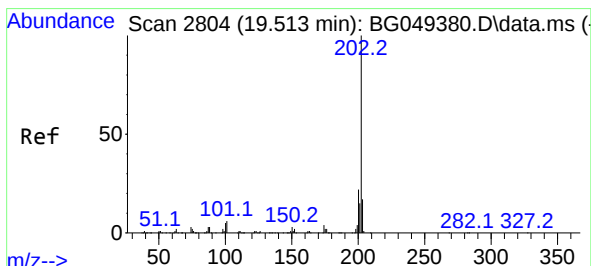
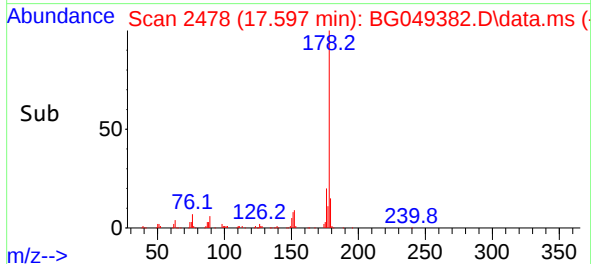
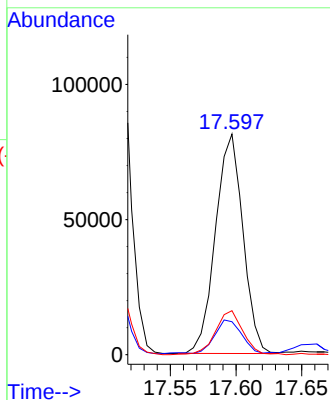


Tgt Ion:178 Resp: 118141

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.6	18.8
176	20.0	14.8	22.2

Manual Integrations
 APPROVED

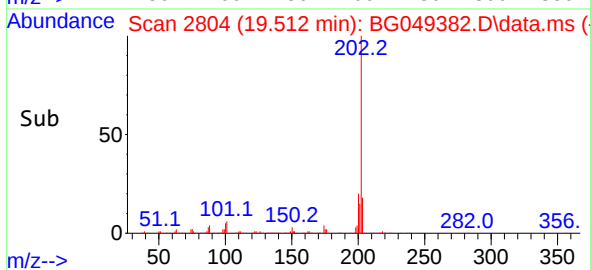
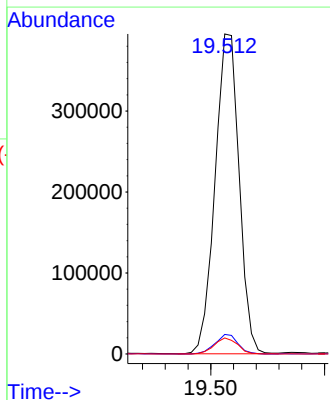
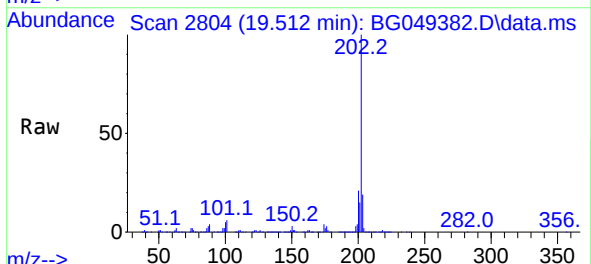
mohammad
 7/19/2021 11:53:29 AM

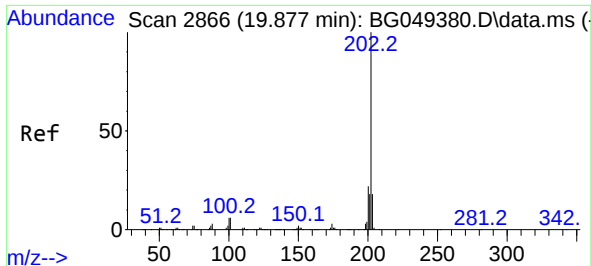


#80
 Fluoranthene
 Concen: 42.806 ng/ul
 RT: 19.512 min Scan# 2804
 Delta R.T. -0.000 min
 Lab File: BG049382.D
 Acq: 16 Jul 2021 17:28

Tgt Ion:202 Resp: 579715

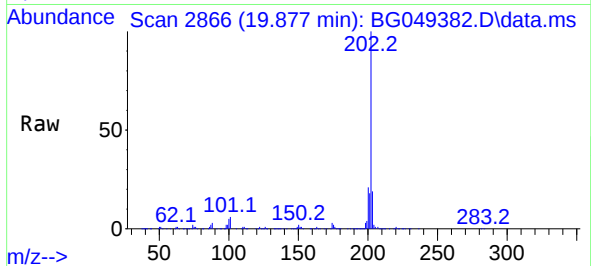
Ion	Ratio	Lower	Upper
202	100		
101	6.1	4.6	6.8
100	5.0	4.0	6.0





#82
Pyrene
Concen: 24.489 ng/ul
RT: 19.877 min Scan# 2866
Delta R.T. -0.000 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28

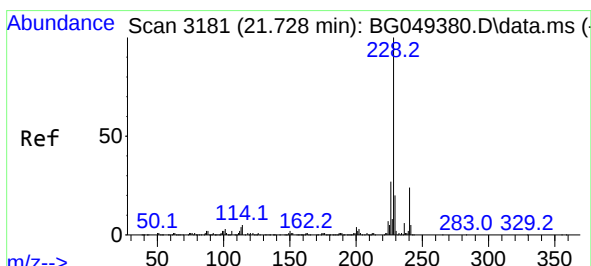
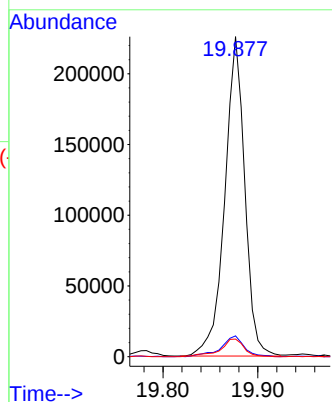
Instrument :
BNA_G
ClientSampleId :
BGE17DL



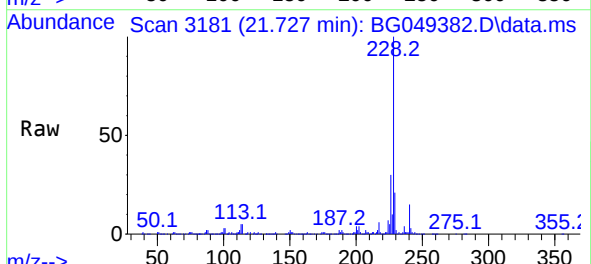
Tgt Ion:202 Resp: 330453
Ion Ratio Lower Upper
202 100
101 6.5 5.3 7.9
100 5.5 4.7 7.1

Manual Integrations
APPROVED

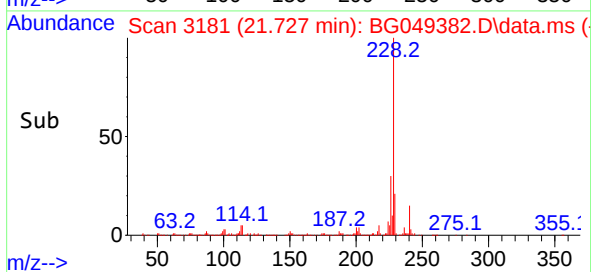
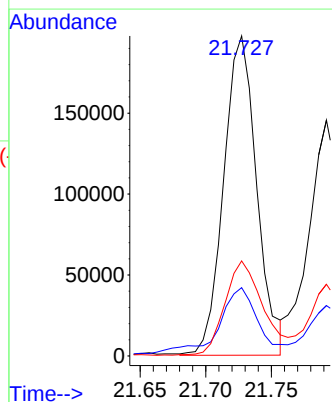
mohammad
7/19/2021 11:53:29 AM

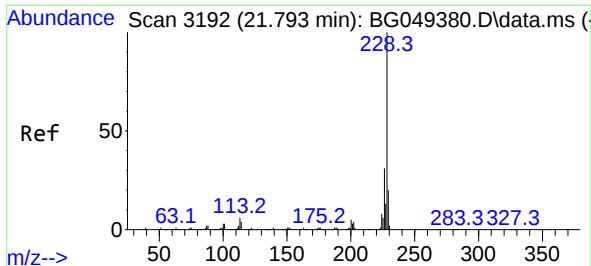


#85
Benzo(a)anthracene
Concen: 24.795 ng/ul
RT: 21.727 min Scan# 3181
Delta R.T. -0.001 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28



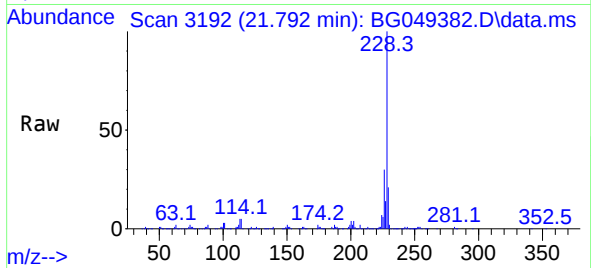
Tgt Ion:228 Resp: 346186
Ion Ratio Lower Upper
228 100
229 21.3 16.4 24.6
226 29.7 21.3 31.9





#87
Chrysene
Concen: 19.284 ng/ul
RT: 21.792 min Scan# 3192
Delta R.T. -0.001 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28

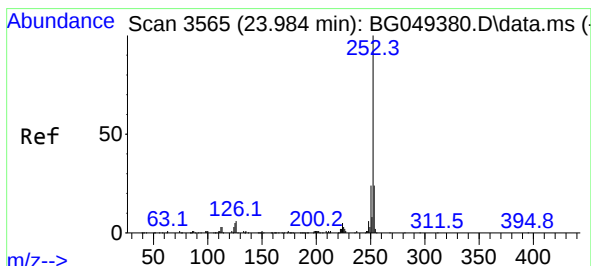
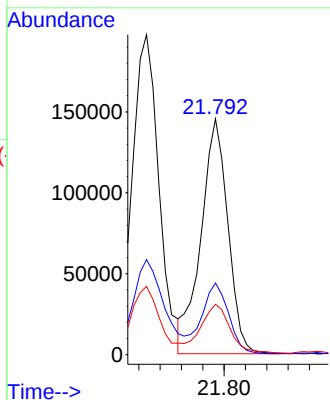
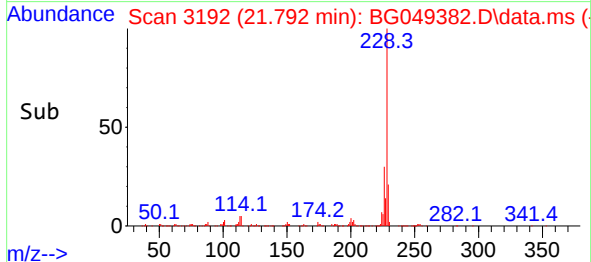
Instrument :
BNA_G
ClientSampled :
BGE17DL



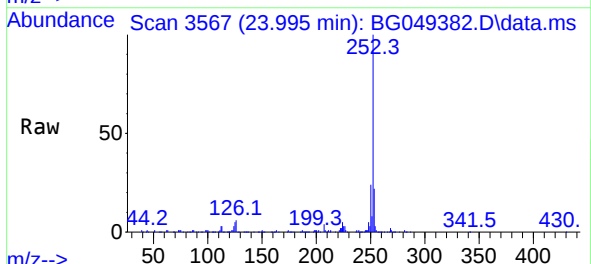
Tgt Ion:228 Resp: 254676
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 21.4 15.8 23.6

Manual Integrations
APPROVED

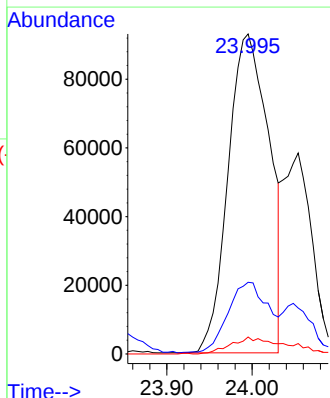
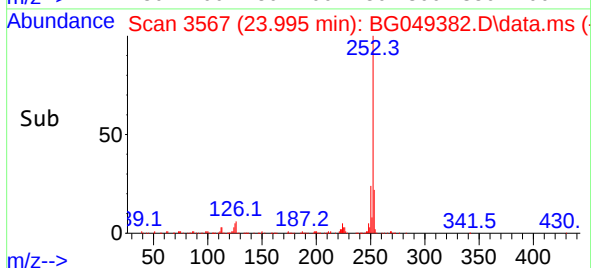
mohammad
7/19/2021 11:53:29 AM

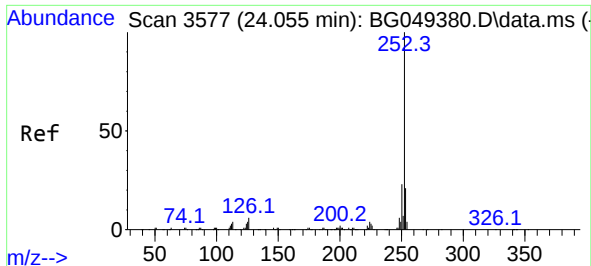


#90
Benzo(b)fluoranthene
Concen: 20.336 ng/ul
RT: 23.995 min Scan# 3567
Delta R.T. 0.005 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28



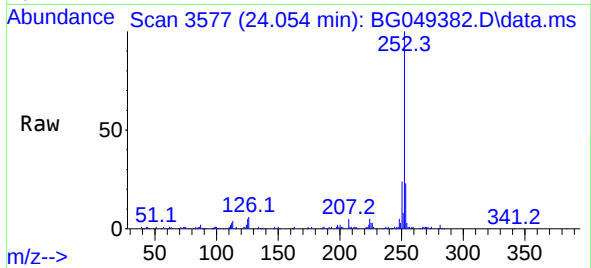
Tgt Ion:252 Resp: 309514
Ion Ratio Lower Upper
252 100
253 22.4 18.3 27.5
125 5.3 4.0 6.0





#91
Benzo(k)fluoranthene
Concen: 9.116 ng/ul m
RT: 24.054 min Scan# 3577
Delta R.T. -0.000 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28

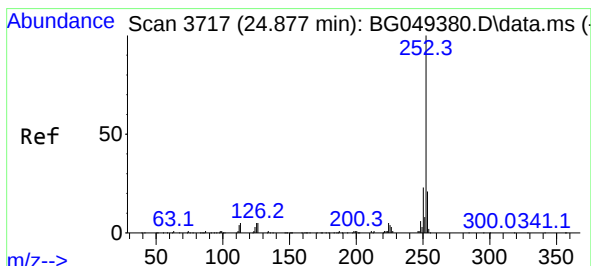
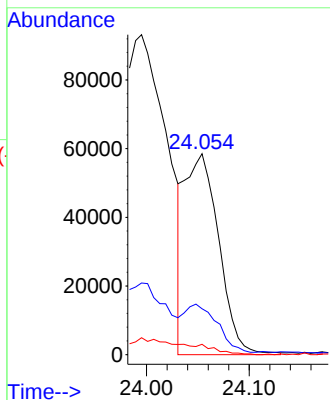
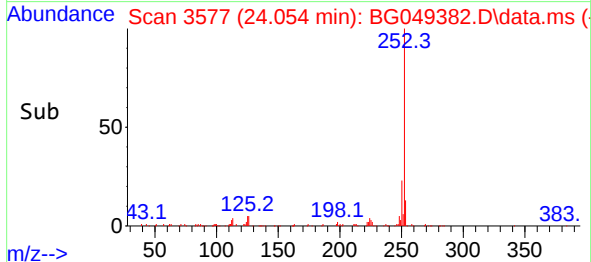
Instrument :
BNA_G
ClientSampleId :
BGE17DL



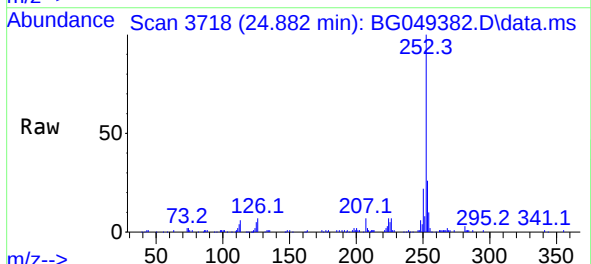
Tgt Ion:252 Resp: 135288
Ion Ratio Lower Upper
252 100
253 22.9 16.6 25.0
125 5.2 3.0 4.6#

Manual Integrations
APPROVED

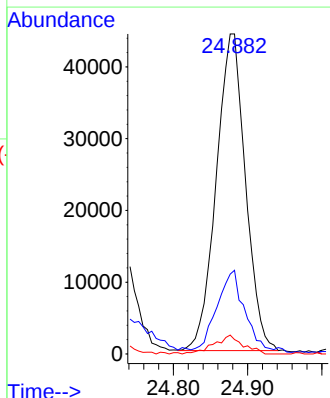
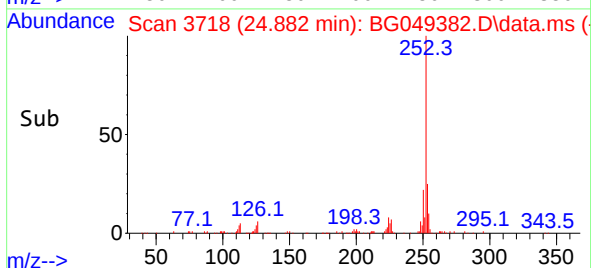
mohammad
7/19/2021 11:53:29 AM

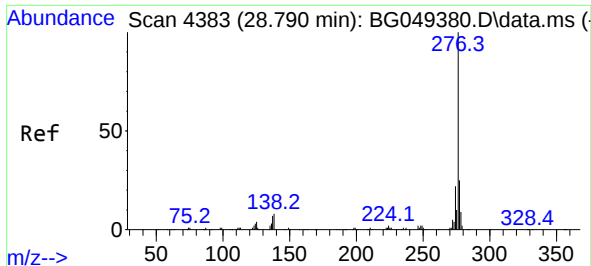


#93
Benzo(a)pyrene
Concen: 9.027 ng/ul
RT: 24.882 min Scan# 3718
Delta R.T. -0.000 min
Lab File: BG049382.D
Acq: 16 Jul 2021 17:28



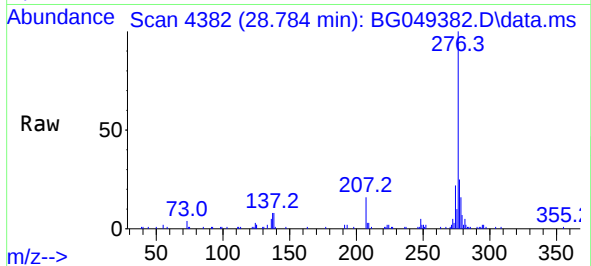
Tgt Ion:252 Resp: 120911
Ion Ratio Lower Upper
252 100
253 26.2 17.3 25.9#
125 4.5 3.4 5.0





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 5.208 ng/ul
 RT: 28.784 min Scan# 4382
 Delta R.T. -0.000 min
 Lab File: BG049382.D
 Acq: 16 Jul 2021 17:28

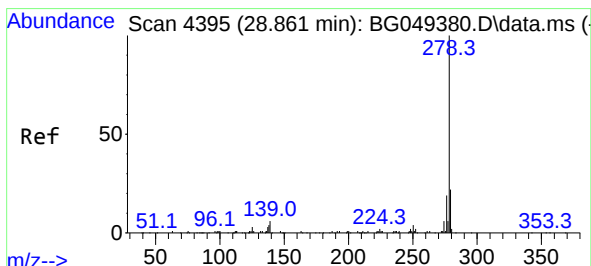
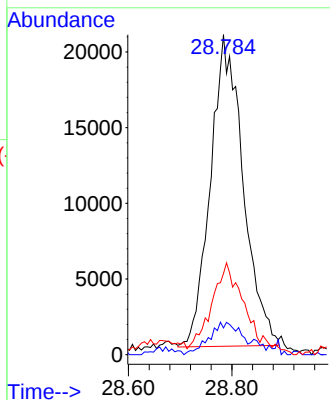
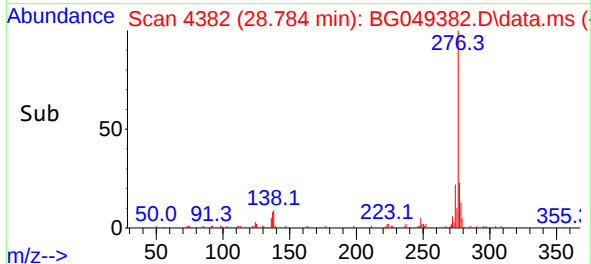
Instrument :
 BNA_G
 ClientSampled :
 BGE17DL



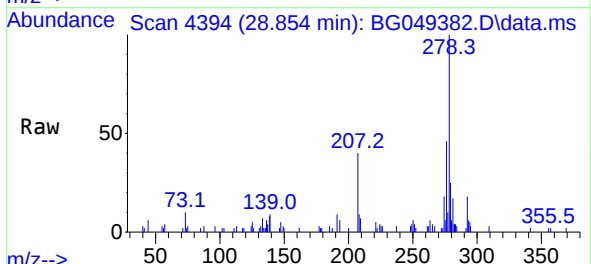
Tgt Ion:276 Resp: 90008
 Ion Ratio Lower Upper
 276 100
 138 8.4 6.0 9.0
 277 25.4 18.2 27.2

Manual Integrations
 APPROVED

mohammad
 7/19/2021 11:53:29 AM



#95
 Dibenzo(a,h)anthracene
 Concen: 3.133 ng/ul m
 RT: 28.854 min Scan# 4394
 Delta R.T. -0.006 min
 Lab File: BG049382.D
 Acq: 16 Jul 2021 17:28



Tgt Ion:278 Resp: 44844
 Ion Ratio Lower Upper
 278 100
 139 8.6 5.9 8.9
 279 24.9 17.6 26.4

