

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
 Data File : BG049375.D
 Acq On : 16 Jul 2021 12:40
 Operator : CG/JU
 Sample : M2970-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGE17

Manual Integrations
 APPROVED

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

Quant Time: Jul 16 13:17:32 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 16 12:41:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.067	152	24485	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.881	136	104779	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.712	164	78156	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.462	188	174569	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	174568	20.000	ng/ul	0.00
88) Perylene-d12	25.035	264	188113	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.449	96	1563	3.003	ng/uL	-0.02
4) Pyridine-d5	3.884	84	14774	9.653	ng/ul	0.00
7) Phenol-d5	7.221	99	31441	14.762	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.380	67	19565	15.838	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.591	132	25127	15.963	ng/ul	-0.01
15) 4-Methylphenol-d8	8.766	113	27777	16.277	ng/ul	-0.01
21) Nitrobenzene-d5	9.230	128	13809	17.175	ng/ul	0.00
24) 2-Nitrophenol-d4	9.959	143	16337	17.700	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.505	165	27943	15.515	ng/ul	0.00
31) 4-Chloroaniline-d4	11.022	131	26420	11.257	ng/ul	0.00
46) Dimethylphthalate-d6	14.107	166	108194	18.000	ng/ul	0.00
49) Acenaphthylene-d8	14.407	160	119726	16.977	ng/ul	0.00
54) 4-Nitrophenol-d4	14.906	143	12029	12.091	ng/ul	0.00
60) Fluorene-d10	15.705	176	92055	18.089	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.817	200	11303	10.187	ng/ul	0.00
73) Anthracene-d10	17.562	188	140700	17.703	ng/ul	0.00
81) Pyrene-d10	19.847	212	131441	14.691	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.812	264	94034	9.616	ng/ul	0.00
Target Compounds						
8) Phenol	7.245	94	3270	1.535	ng/ul#	72
18) 4-Methylphenol	8.831	108	2676m	1.585	ng/ul	
30) Naphthalene	10.934	128	10424	1.995	ng/ul#	96
50) Acenaphthylene	14.436	152	11912	1.899	ng/ul#	95
52) Acenaphthene	14.771	153	11457	2.515	ng/ul	95
61) Fluorene	15.758	166	19427	3.556	ng/ul	96
72) Phenanthrene	17.503	178	468485	55.021	ng/ul	97
74) Anthracene	17.597	178	195142	22.436	ng/ul	99
80) Fluoranthene	19.518	202	915200	87.951	ng/ul	99
82) Pyrene	19.877	202	530374	51.154	ng/ul	99
85) Benzo(a)anthracene	21.728	228	539338	50.274	ng/ul	95
87) Chrysene	21.798	228	417923	41.184	ng/ul	98
90) Benzo(b)fluoranthene	23.996	252	511606	44.085	ng/ul	97
91) Benzo(k)fluoranthene	24.060	252	206676m	18.265	ng/ul	
93) Benzo(a)pyrene	24.883	252	198299	19.417	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.796	276	160564m	12.185	ng/ul	
95) Dibenzo(a,h)anthracene	28.843	278	73220m	6.709	ng/ul	

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

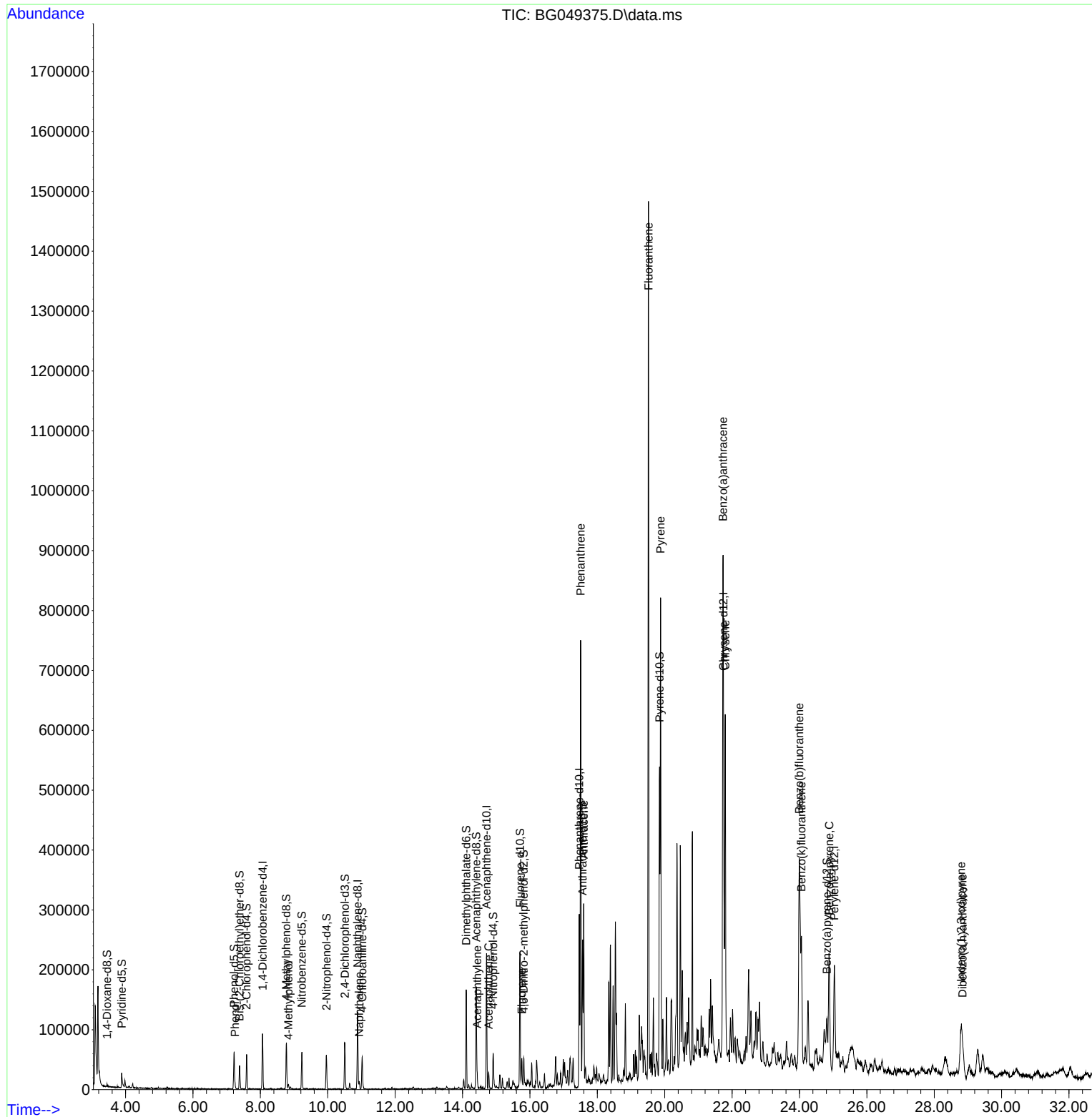
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049375.D
Acq On : 16 Jul 2021 12:40
Operator : CG/JU
Sample : M2970-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

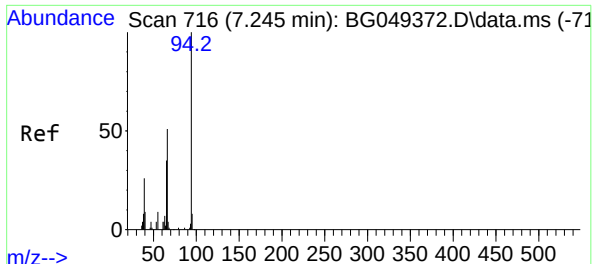
Instrument :
BNA_G
ClientSampleId :
BGE17

Manual Integrations
APPROVED

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

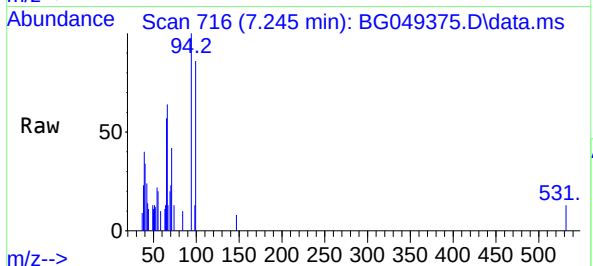
Quant Time: Jul 16 13:17:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 16 12:41:10 2021
Response via : Initial Calibration





#8
Phenol
Concen: 1.535 ng/ul
RT: 7.245 min Scan# 716
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

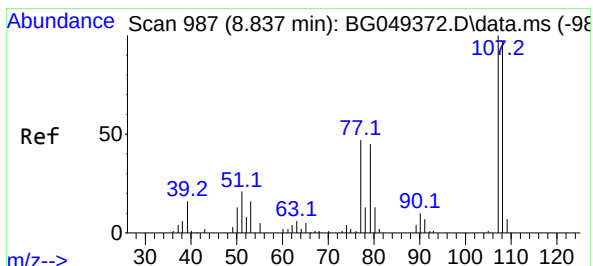
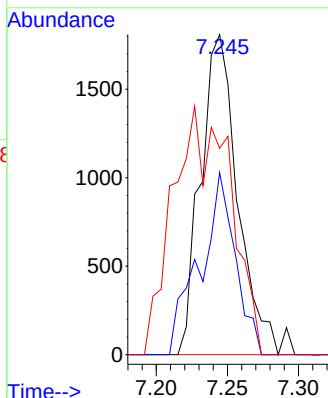
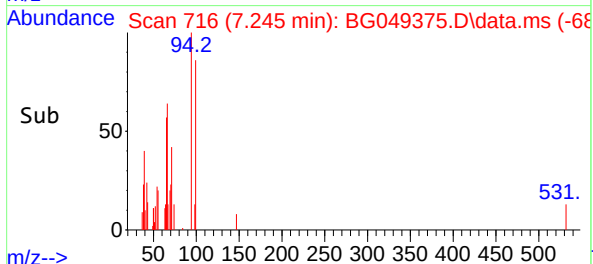
Instrument :
BNA_G
ClientSampled :
BGE17



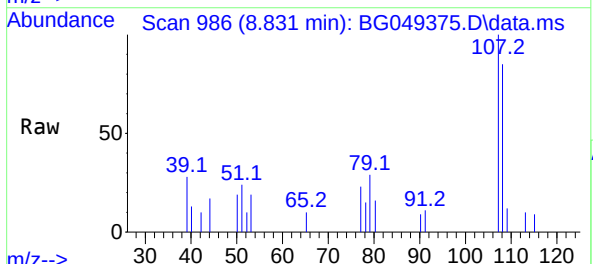
Tgt Ion: 94 Resp: 3270
Ion Ratio Lower Upper
94 100
65 56.9 27.2 40.8#
66 64.5 40.6 60.8#

Manual Integrations
APPROVED

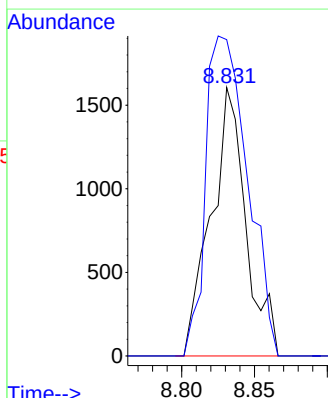
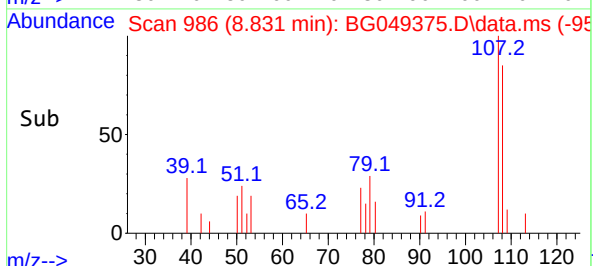
mohammad
7/19/2021 11:53:11 AM

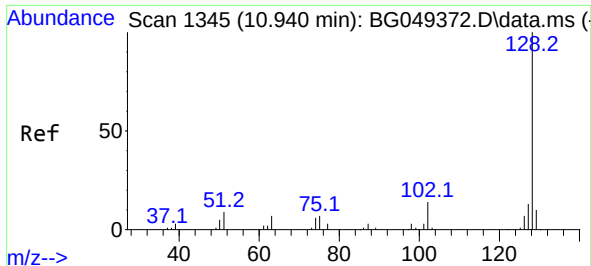


#18
4-Methylphenol
Concen: 1.585 ng/ul m
RT: 8.831 min Scan# 986
Delta R.T. -0.015 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40



Tgt Ion: 108 Resp: 2676
Ion Ratio Lower Upper
108 100
107 117.8 84.6 126.8





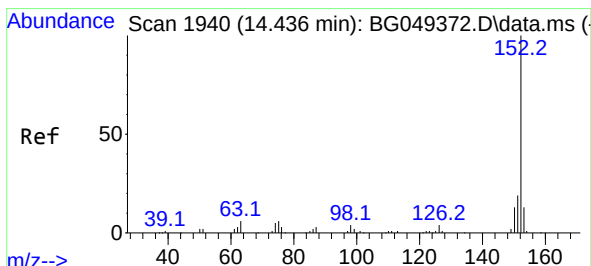
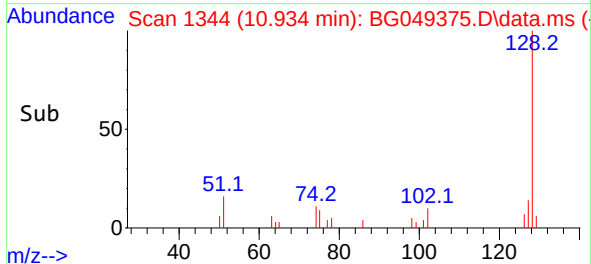
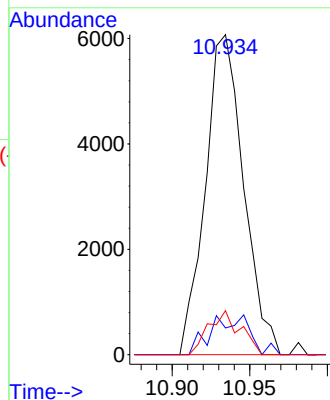
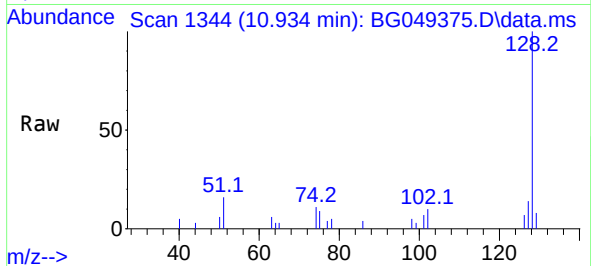
#30
Naphthalene
Concen: 1.995 ng/ul
RT: 10.934 min Scan# 1344
Delta R.T. -0.015 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

Tgt Ion:128 Resp: 10424
Ion Ratio Lower Upper
128 100
129 8.3 8.6 12.8#
127 13.7 11.8 17.6

Instrument :
BNA_G
ClientSampleId :
BGE17

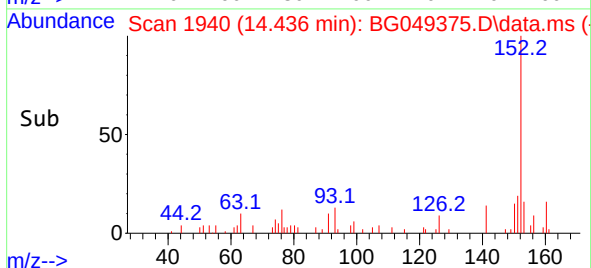
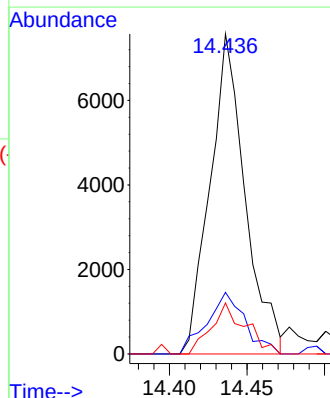
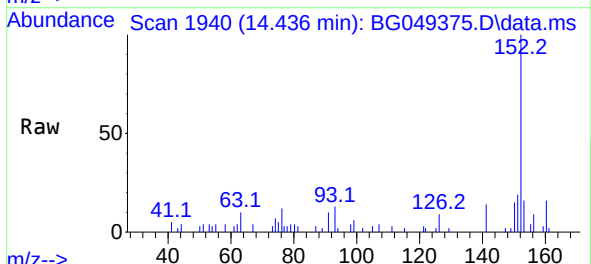
Manual Integrations
APPROVED

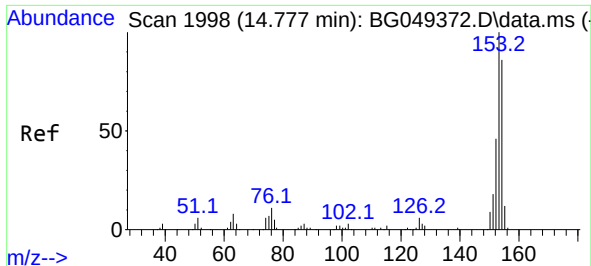
mohammad
7/19/2021 11:53:11 AM



#50
Acenaphthylene
Concen: 1.899 ng/ul
RT: 14.436 min Scan# 1940
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

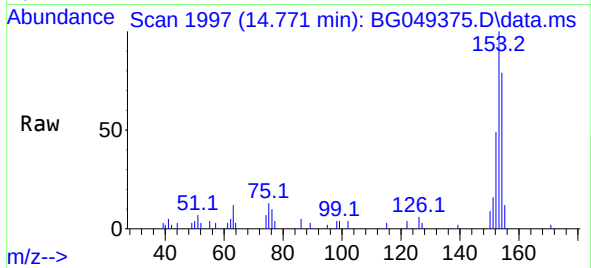
Tgt Ion:152 Resp: 11912
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.2
153 16.0 9.8 14.6#





#52
Acenaphthene
Concen: 2.515 ng/ul
RT: 14.771 min Scan# 1997
Delta R.T. -0.015 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

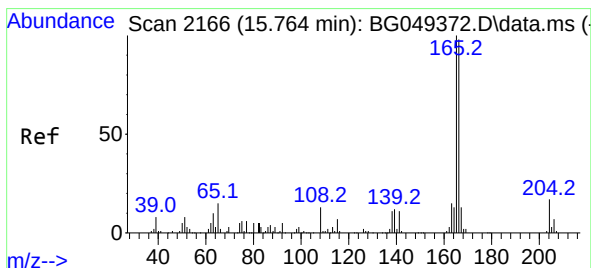
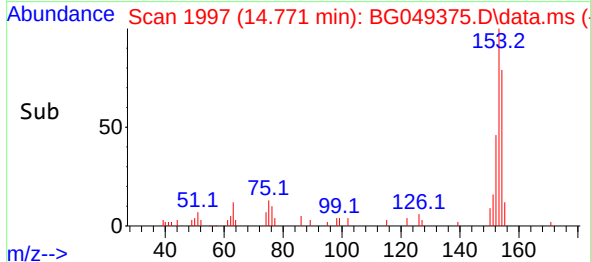
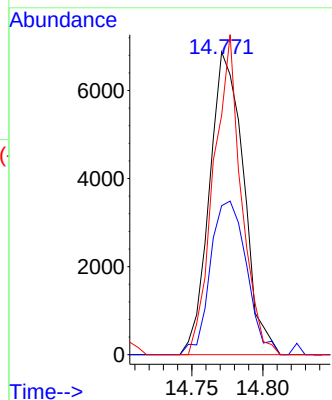
Instrument :
BNA_G
ClientSampleId :
BGE17



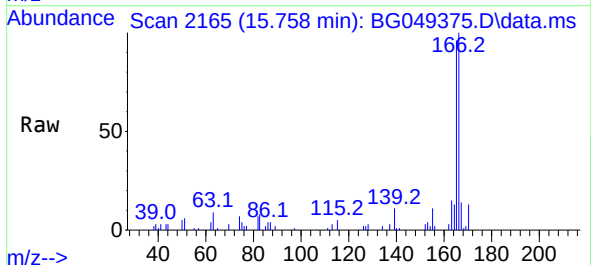
Tgt Ion:153 Resp: 11457
Ion Ratio Lower Upper
153 100
152 49.2 37.8 56.6
154 79.1 68.2 102.2

Manual Integrations
APPROVED

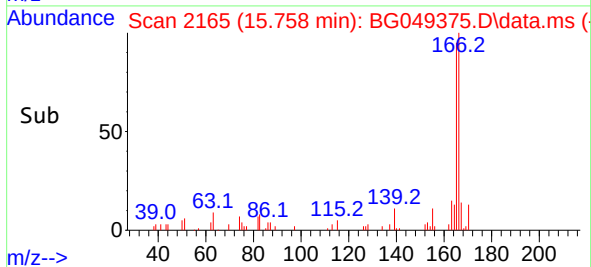
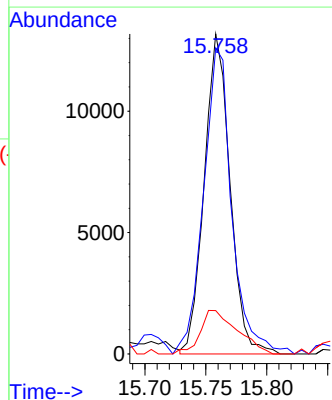
mohammad
7/19/2021 11:53:11 AM

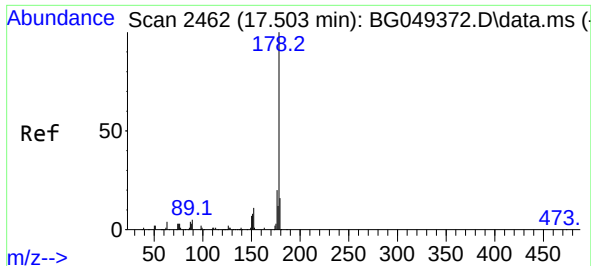


#61
Fluorene
Concen: 3.556 ng/ul
RT: 15.758 min Scan# 2165
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40



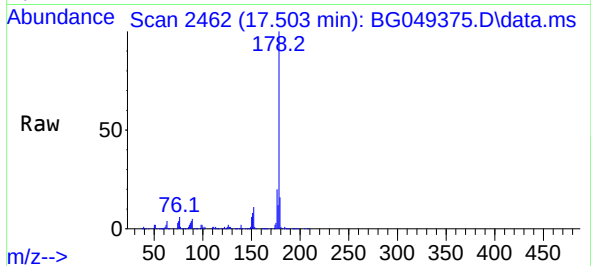
Tgt Ion:166 Resp: 19427
Ion Ratio Lower Upper
166 100
165 95.7 73.5 110.3
167 13.6 9.6 14.4





#72
Phenanthrene
Concen: 55.021 ng/u1
RT: 17.503 min Scan# 2462
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

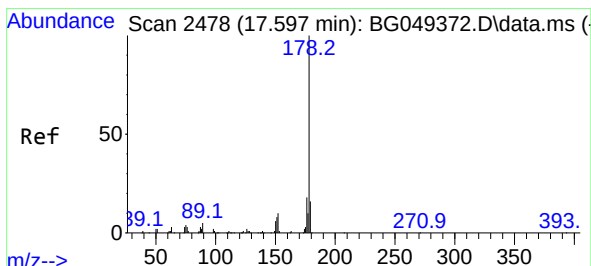
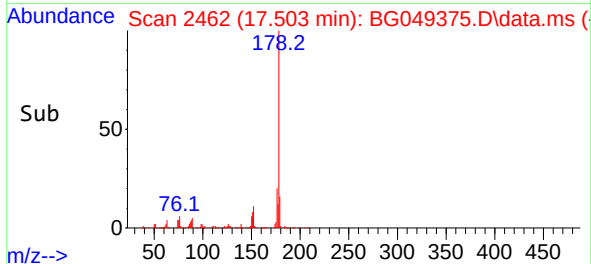
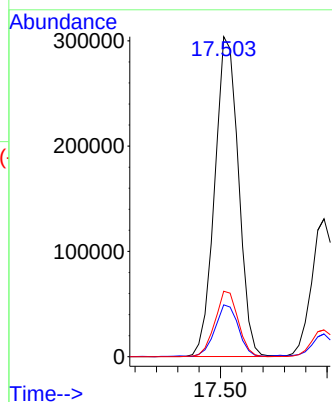
Instrument :
BNA_G
ClientSampleId :
BGE17



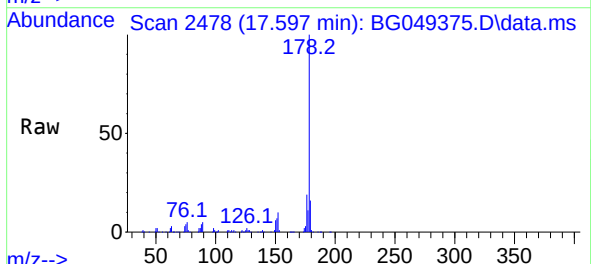
Tgt Ion:178 Resp: 468485
Ion Ratio Lower Upper
178 100
179 16.2 11.7 17.5
176 20.4 15.6 23.4

Manual Integrations
APPROVED

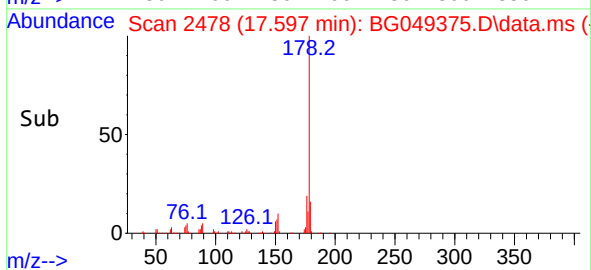
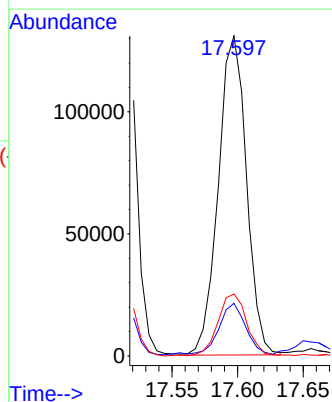
mohammad
7/19/2021 11:53:11 AM

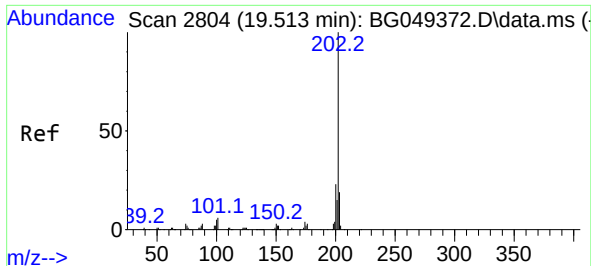


#74
Anthracene
Concen: 22.436 ng/u1
RT: 17.597 min Scan# 2478
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40



Tgt Ion:178 Resp: 195142
Ion Ratio Lower Upper
178 100
179 16.5 12.7 19.1
176 19.4 15.6 23.4





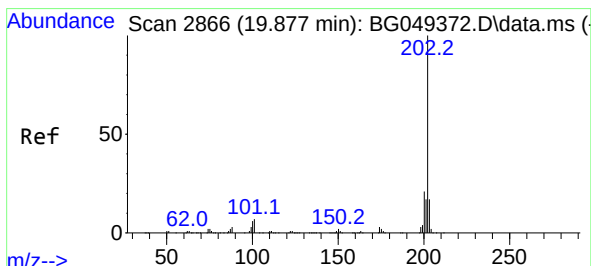
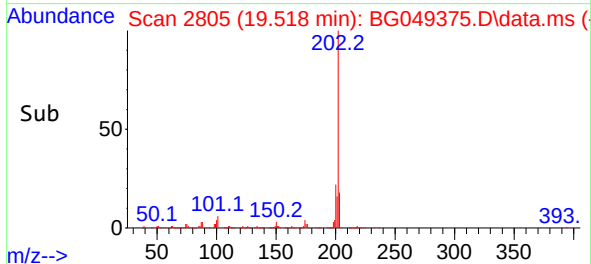
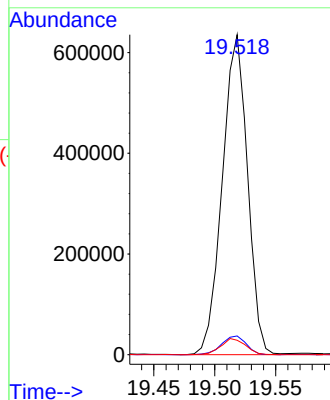
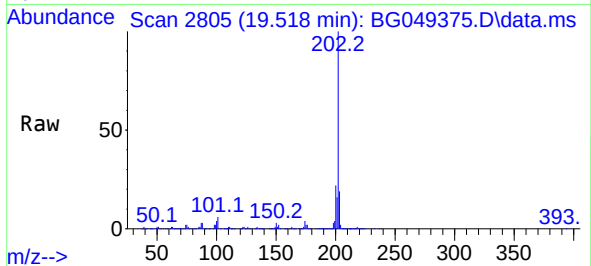
#80
Fluoranthene
Concen: 87.951 ng/ul
RT: 19.518 min Scan# 2805
Delta R.T. -0.003 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

Tgt Ion:	202	Resp:	915200
Ion Ratio	Lower	Upper	
202	100		
101	5.9	4.6	6.8
100	4.5	4.0	6.0

Instrument :
BNA_G
ClientSampleId :
BGE17

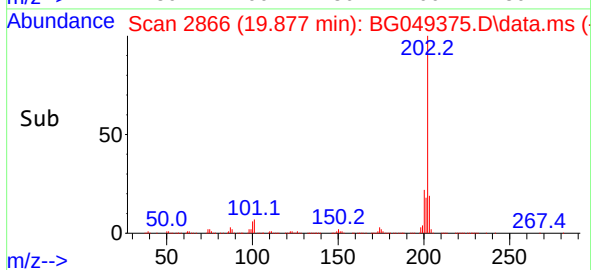
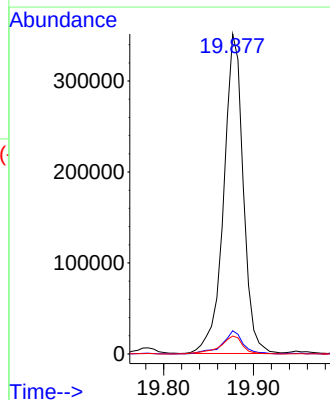
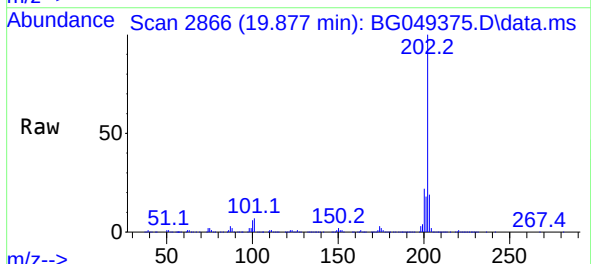
Manual Integrations
APPROVED

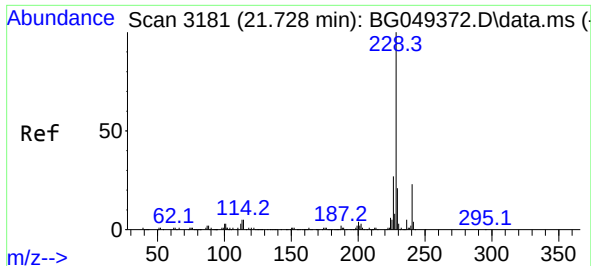
mohammad
7/19/2021 11:53:11 AM



#82
Pyrene
Concen: 51.154 ng/ul
RT: 19.877 min Scan# 2866
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

Tgt Ion:	202	Resp:	530374
Ion Ratio	Lower	Upper	
202	100		
101	7.3	5.8	8.8
100	5.6	5.0	7.6





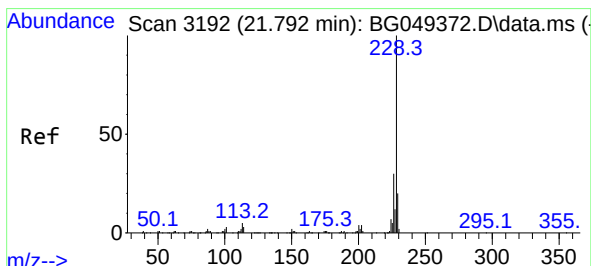
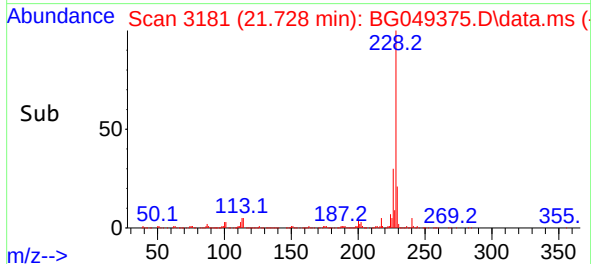
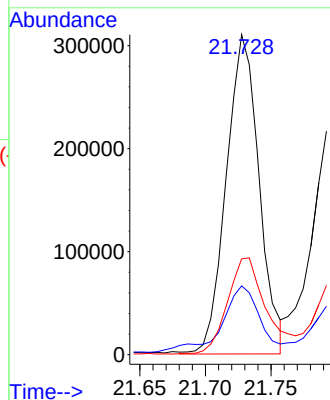
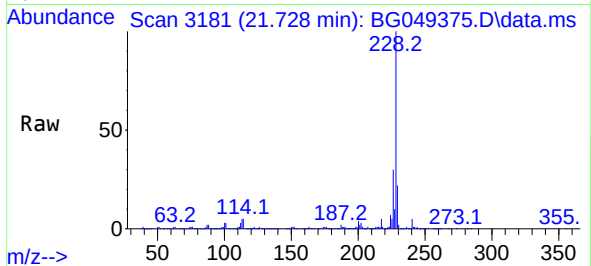
#85
Benzo(a)anthracene
Concen: 50.274 ng/ul
RT: 21.728 min Scan# 3181
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

Tgt Ion:228 Resp: 539338
Ion Ratio Lower Upper
228 100
229 21.5 16.4 24.6
226 29.9 21.3 31.9

Instrument :
BNA_G
ClientSampleId :
BGE17

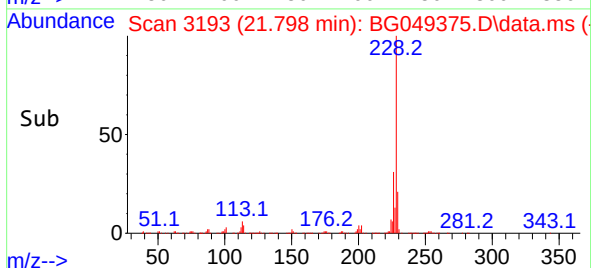
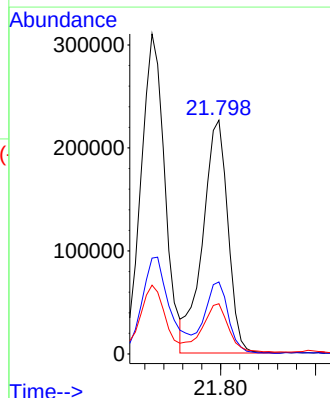
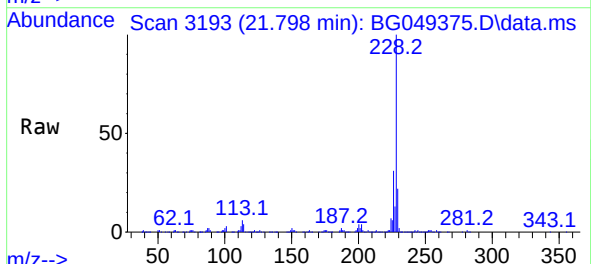
Manual Integrations
APPROVED

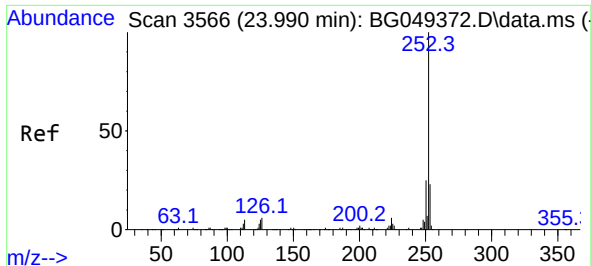
mohammad
7/19/2021 11:53:11 AM



#87
Chrysene
Concen: 41.184 ng/ul
RT: 21.798 min Scan# 3193
Delta R.T. -0.003 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

Tgt Ion:228 Resp: 417923
Ion Ratio Lower Upper
228 100
226 30.8 24.0 36.0
229 21.5 16.4 24.6





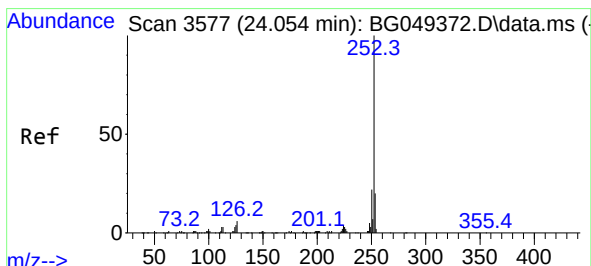
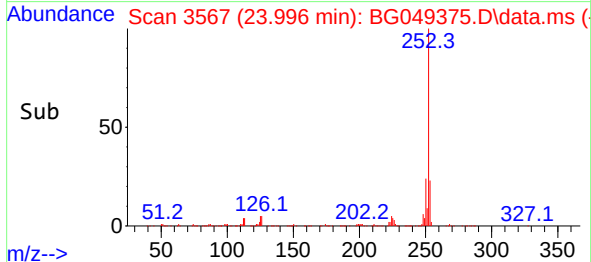
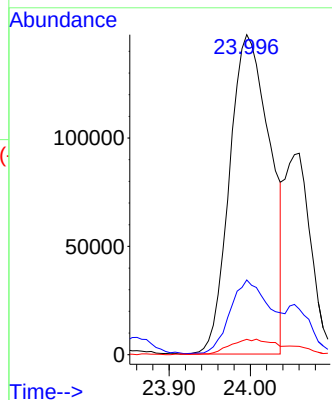
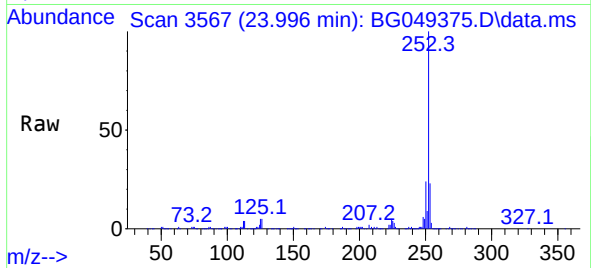
#90
Benzo(b)fluoranthene
Concen: 44.085 ng/ul
RT: 23.996 min Scan# 3567
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

Tgt Ion:252 Resp: 511606
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 4.8 4.8 7.2

Instrument :
BNA_G
ClientSampleId :
BGE17

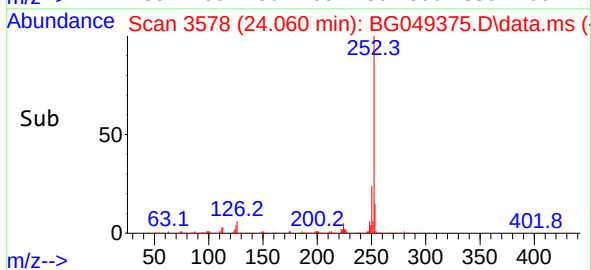
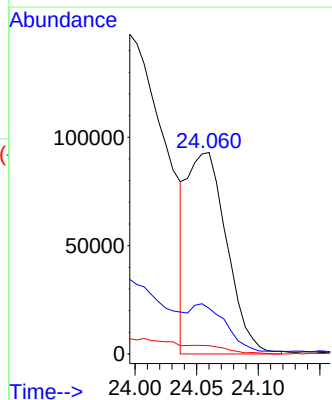
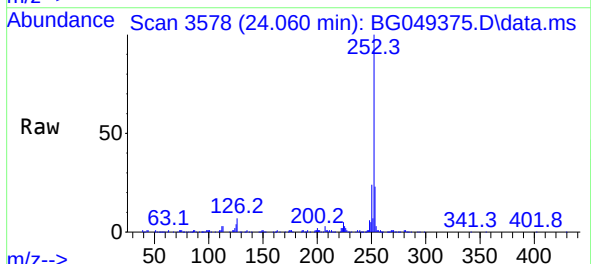
Manual Integrations
APPROVED

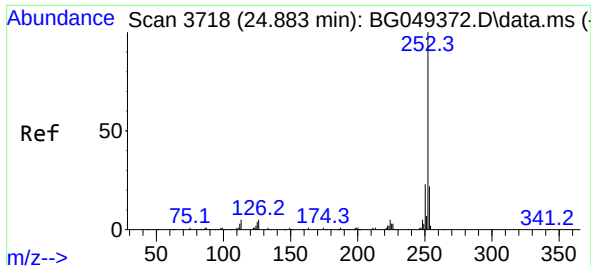
mohammad
7/19/2021 11:53:11 AM



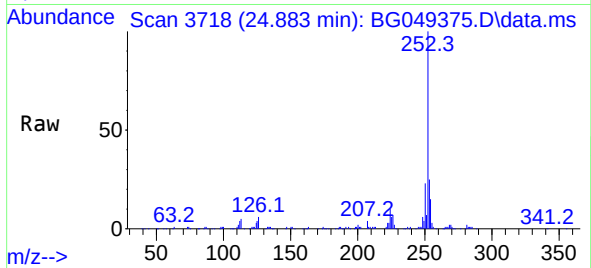
#91
Benzo(k)fluoranthene
Concen: 18.265 ng/ul m
RT: 24.060 min Scan# 3578
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

Tgt Ion:252 Resp: 206676
Ion Ratio Lower Upper
252 100
253 22.6 16.2 24.2
125 4.2 3.7 5.5

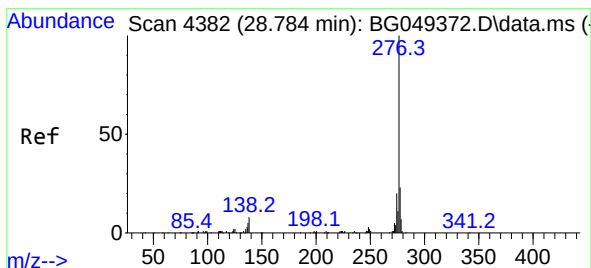
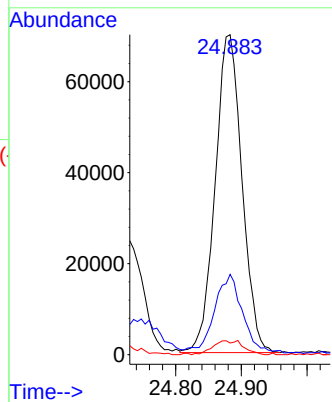
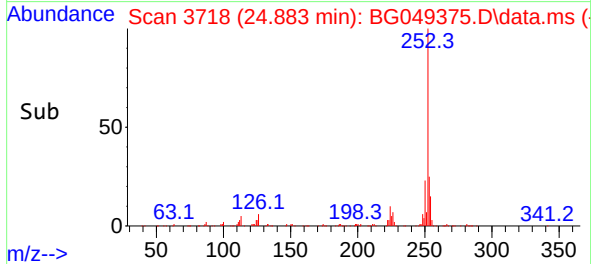




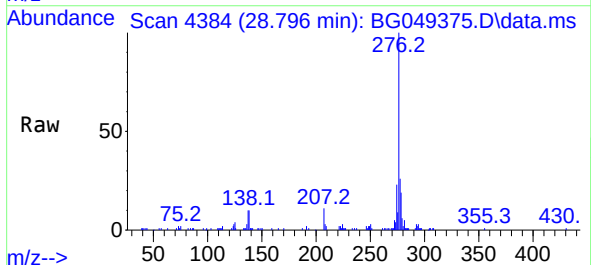
#93
Benzo(a)pyrene
Concen: 19.417 ng/ul
RT: 24.883 min Scan# 3718
Delta R.T. -0.009 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40



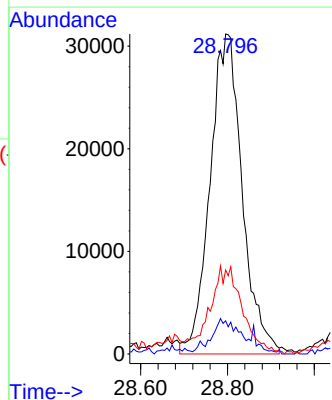
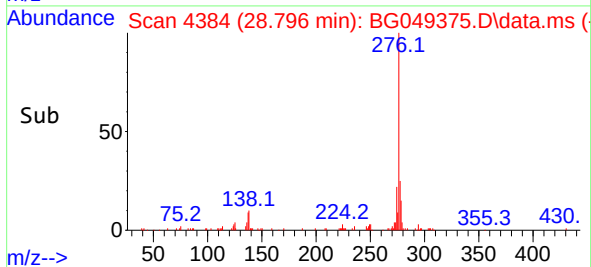
Tgt Ion:252 Resp: 198299
Ion Ratio Lower Upper
252 100
253 25.1 19.1 28.7
125 3.7 4.6 7.0#



#94
Indeno(1,2,3-cd)pyrene
Concen: 12.185 ng/ul m
RT: 28.796 min Scan# 4384
Delta R.T. -0.021 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40



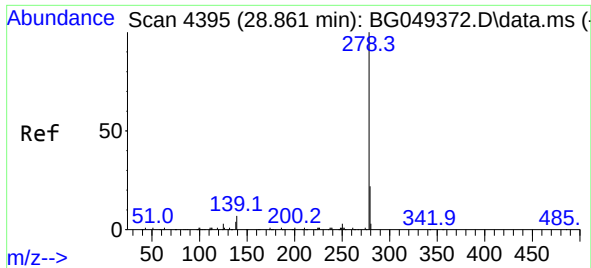
Tgt Ion:276 Resp: 160564
Ion Ratio Lower Upper
276 100
138 10.3 8.0 12.0
277 26.2 17.7 26.5



Instrument :
BNA_G
ClientSampleId :
BGE17

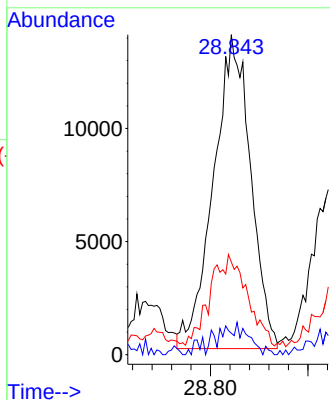
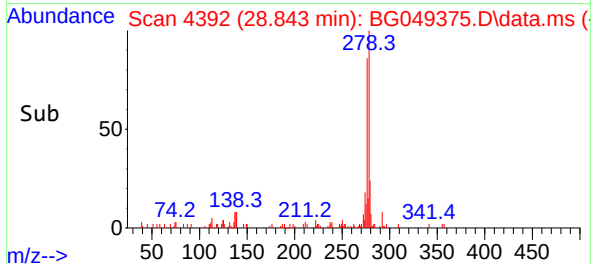
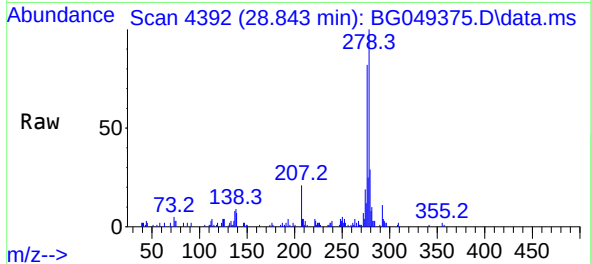
Manual Integrations
APPROVED

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



#95
Dibenzo(a,h)anthracene
Concen: 6.709 ng/ul m
RT: 28.843 min Scan# 4392
Delta R.T. -0.044 min
Lab File: BG049375.D
Acq: 16 Jul 2021 12:40

Tgt Ion: 278 Resp: 73220
Ion Ratio Lower Upper
278 100
139 6.7 5.4 8.2
279 28.9 21.1 31.7



Instrument :
BNA_G
ClientSampleId :
BGE17

Manual Integrations
APPROVED

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