

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
 Data File : BG049959.D
 Acq On : 24 Aug 2021 19:31
 Operator : CG/JU
 Sample : M3394-13 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-02-0002

Manual Integrations
 APPROVED

mohammad
 8/25/2021 3:34:12 PM

Quant Time: Aug 25 01:08:35 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 23 16:13:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	35418	20.000	ng	0.00
21) Naphthalene-d8	10.805	136	147564	20.000	ng	# 0.00
39) Acenaphthene-d10	14.641	164	93700	20.000	ng	0.00
64) Phenanthrene-d10	17.396	188	157755	20.000	ng	# 0.00
76) Chrysene-d12	21.678	240	133618	20.000	ng	0.00
86) Perylene-d12	24.927	264	137218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.541	112	33555	16.983	ng	0.00
7) Phenol-d6	7.162	99	49207	16.453	ng	0.00
23) Nitrobenzene-d5	9.160	82	35369	10.606	ng	0.00
42) 2,4,6-Tribromophenol	16.139	330	20146	14.628	ng	0.00
45) 2-Fluorobiphenyl	13.254	172	76416	11.867	ng	0.00
79) Terphenyl-d14	20.010	244	85343	11.600	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.370	152	35990	4.260	ng	97
71) Phenanthrene	17.437	178	186318	22.449	ng	97
72) Anthracene	17.531	178	18933	2.323	ng	98
75) Fluoranthene	19.458	202	314320	30.776	ng	98
78) Pyrene	19.816	202	321727	35.318	ng	98
81) Benzo(a)anthracene	21.655	228	123288	14.168	ng	96
83) Chrysene	21.725	228	162660	19.555	ng	98
87) Indeno(1,2,3-cd)pyrene	28.651	276	73880	7.466	ng	# 95
88) Benzo(b)fluoranthene	23.899	252	191137	21.239	ng	# 88
89) Benzo(k)fluoranthene	23.951	252	74062m	8.823	ng	
90) Benzo(a)pyrene	24.768	252	131227	16.113	ng	# 96
91) Dibenzo(a,h)anthracene	28.692	278	20475m	2.455	ng	
92) Benzo(g,h,i)perylene	29.808	276	65117	7.971	ng	# 93

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

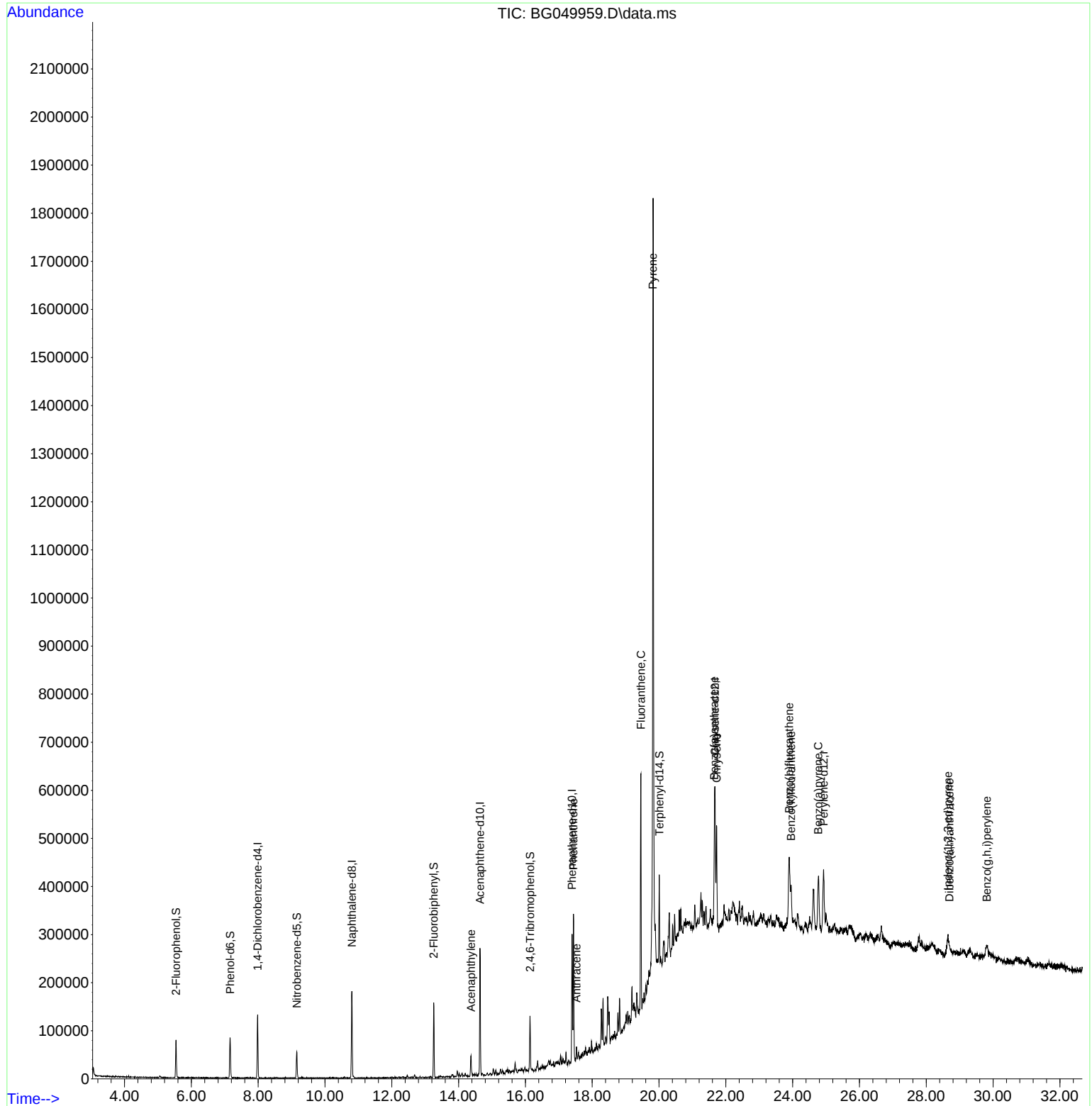
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
Data File : BG049959.D
Acq On : 24 Aug 2021 19:31
Operator : CG/JU
Sample : M3394-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

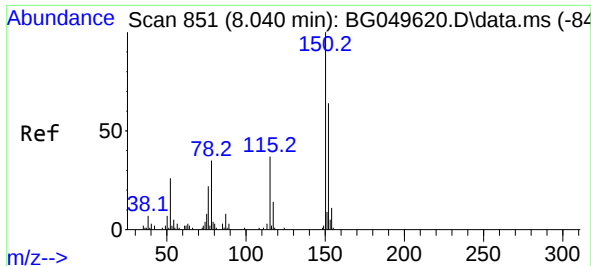
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

Manual Integrations
APPROVED

mohammad
8/25/2021 3:34:12 PM

Quant Time: Aug 25 01:08:35 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 23 16:13:24 2021
Response via : Initial Calibration





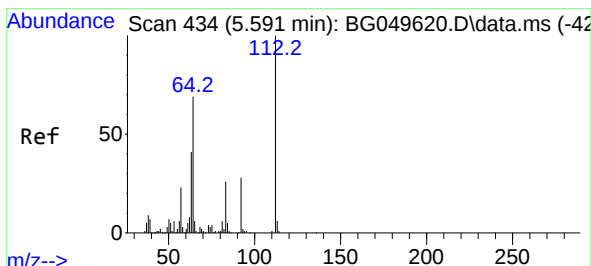
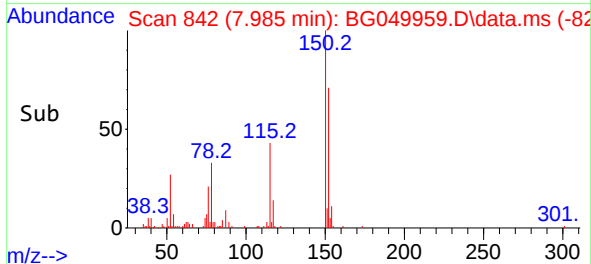
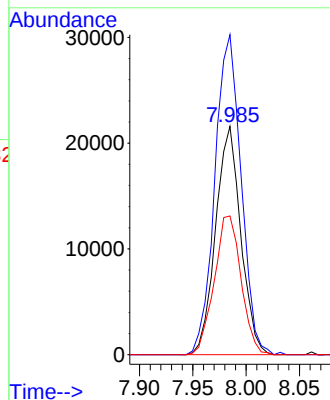
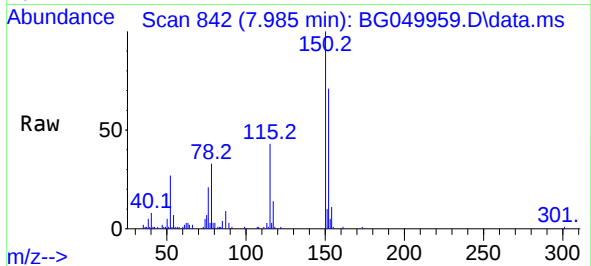
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.985 min Scan# 842
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:152 Resp: 35418
Ion Ratio Lower Upper
152 100
150 140.2 119.4 179.0
115 60.7 60.2 90.4

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

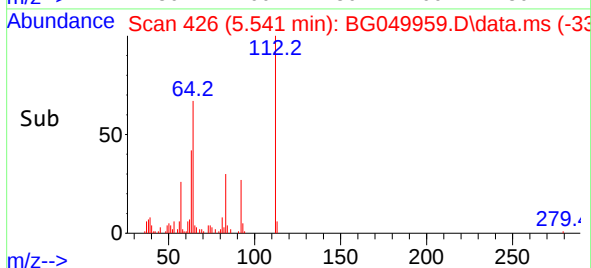
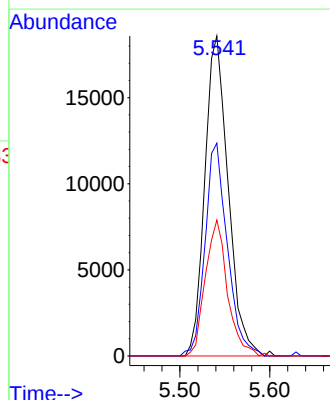
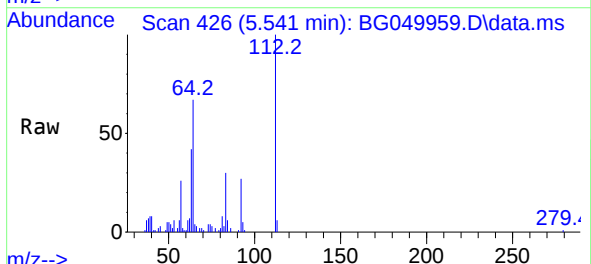
Manual Integrations
APPROVED

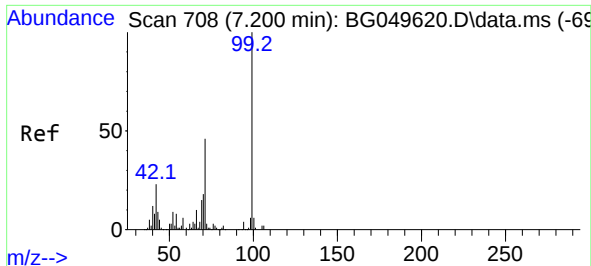
mohammad
8/25/2021 3:34:12 PM



#5
2-Fluorophenol
Concen: 16.983 ng
RT: 5.541 min Scan# 426
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:112 Resp: 33555
Ion Ratio Lower Upper
112 100
64 66.5 46.7 70.1
63 42.4 35.3 52.9





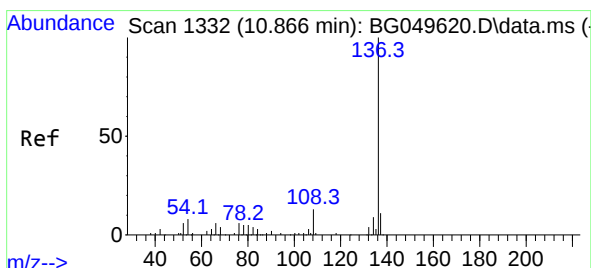
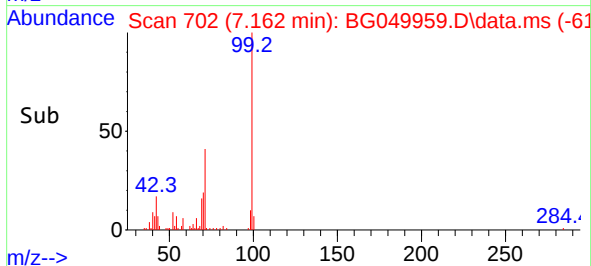
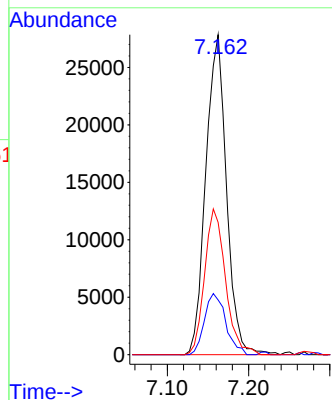
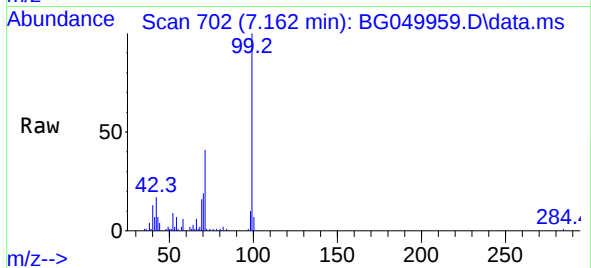
#7
Phenol-d6
Concen: 16.453 ng
RT: 7.162 min Scan# 702
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion: 99 Resp: 49207
Ion Ratio Lower Upper
99 100
42 17.1 20.5 30.7#
71 41.4 41.5 62.3#

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

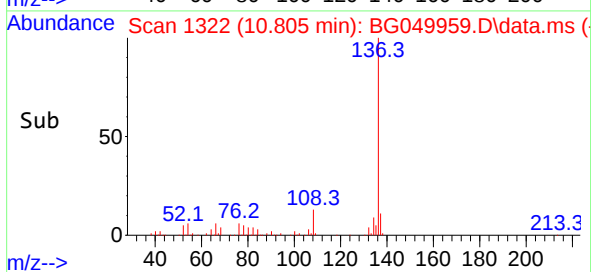
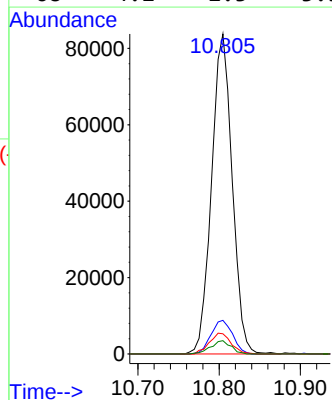
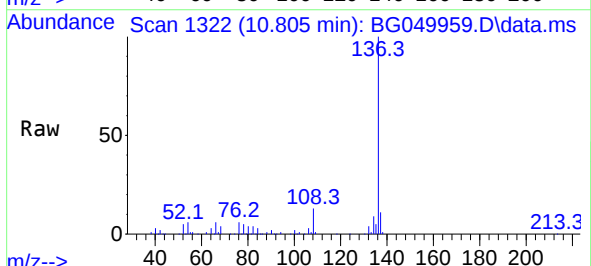
Manual Integrations
APPROVED

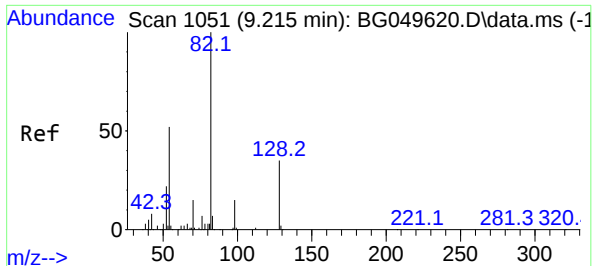
mohammad
8/25/2021 3:34:12 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.805 min Scan# 1322
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

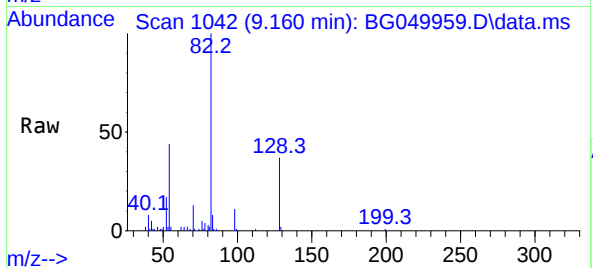
Tgt Ion: 136 Resp: 147564
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.2
54 6.3 5.5 8.3
68 4.2 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 10.606 ng
RT: 9.160 min Scan# 1042
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

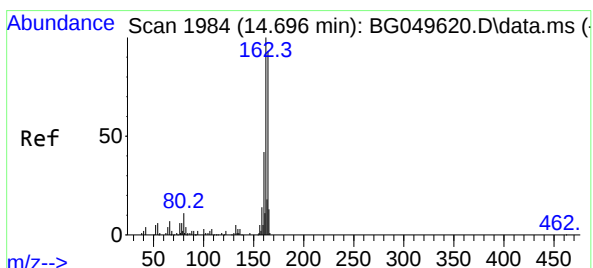
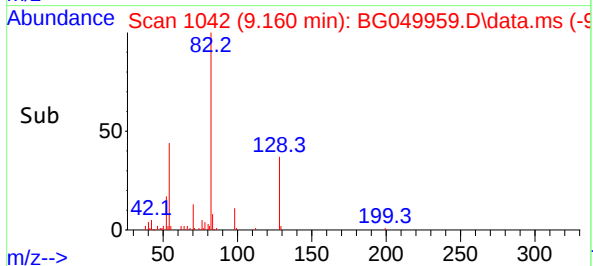
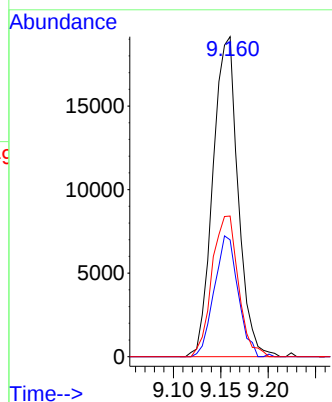
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



Tgt Ion: 82 Resp: 35369
Ion Ratio Lower Upper
82 100
128 36.5 29.8 44.6
54 44.0 45.8 68.8#

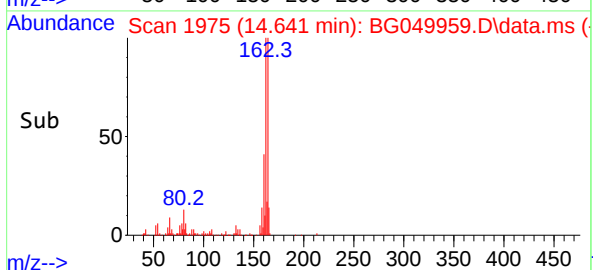
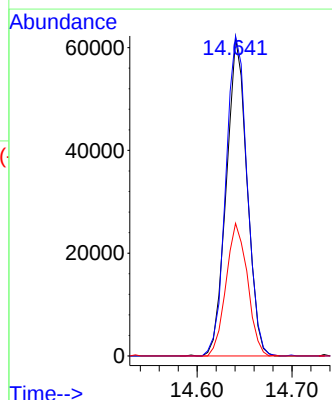
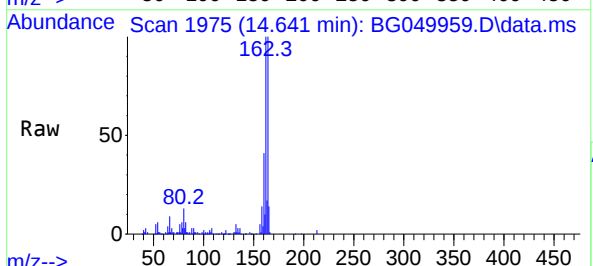
Manual Integrations
APPROVED

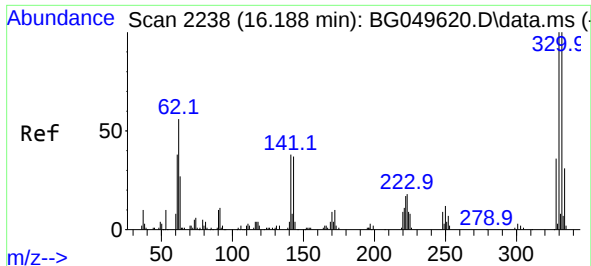
mohammad
8/25/2021 3:34:12 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.641 min Scan# 1975
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

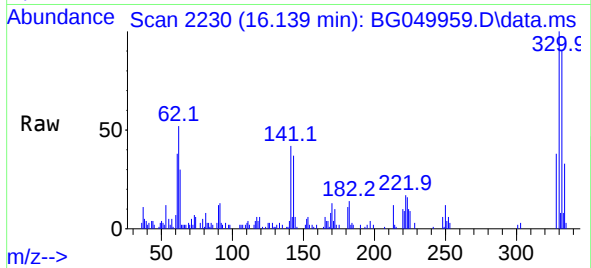
Tgt Ion: 164 Resp: 93700
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 41.7 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 14.628 ng
RT: 16.139 min Scan# 2230
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

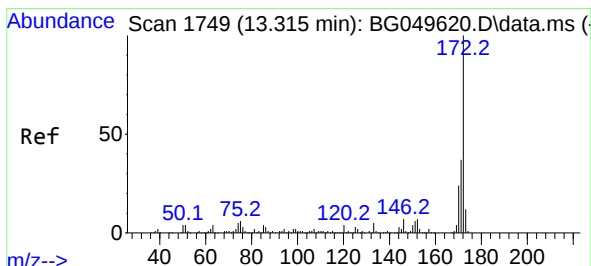
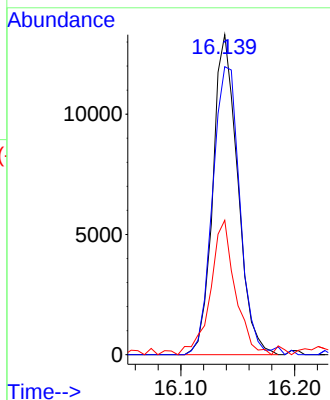
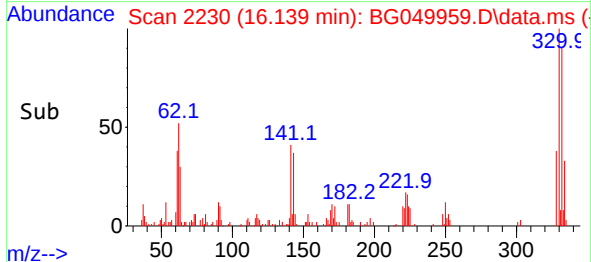
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



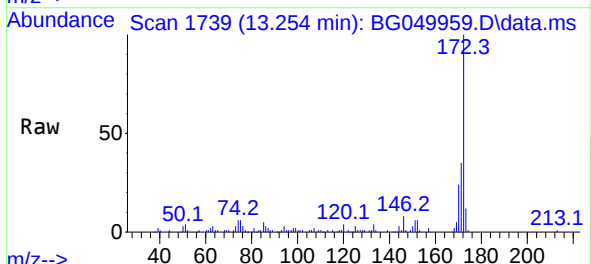
Tgt Ion:330 Resp: 20146
Ion Ratio Lower Upper
330 100
332 99.3 77.3 115.9
141 41.8 35.6 53.4

Manual Integrations
APPROVED

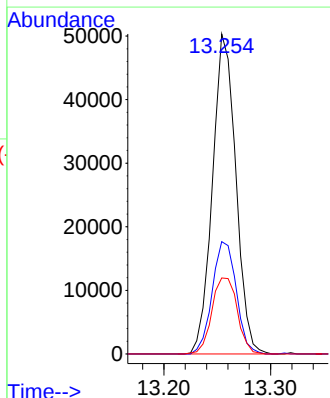
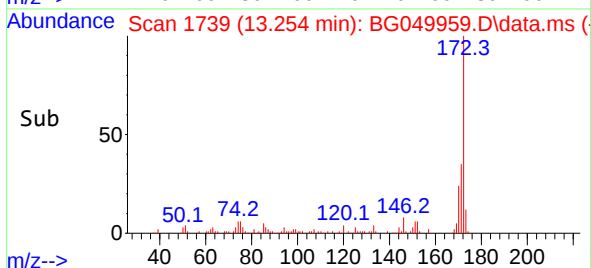
mohammad
8/25/2021 3:34:12 PM

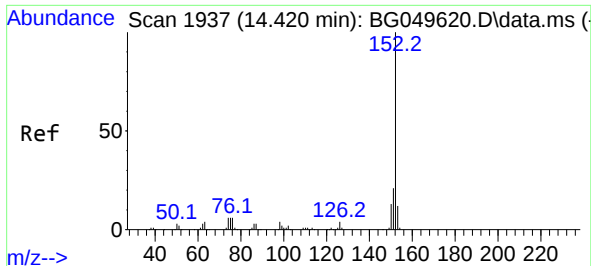


#45
2-Fluorobiphenyl
Concen: 11.867 ng
RT: 13.254 min Scan# 1739
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31



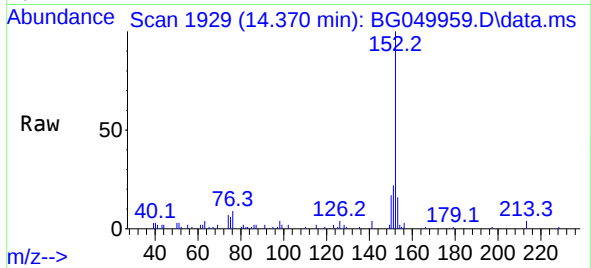
Tgt Ion:172 Resp: 76416
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.7 18.6 27.8





#49
Acenaphthylene
Concen: 4.260 ng
RT: 14.370 min Scan# 1929
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

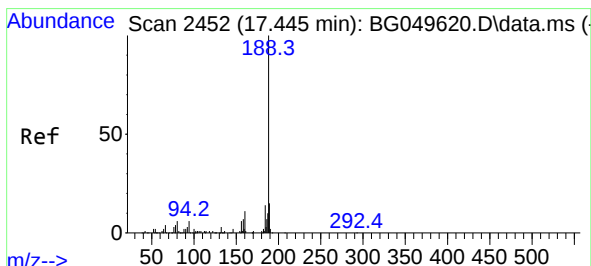
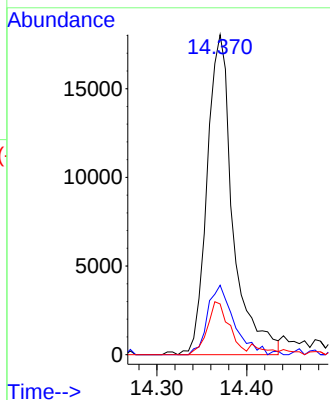
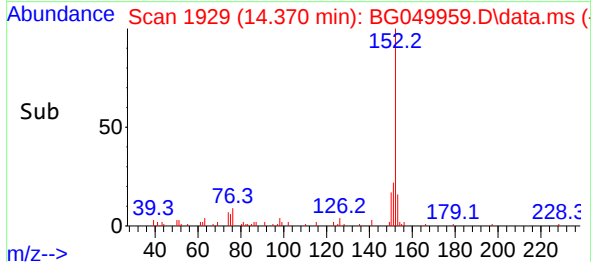
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



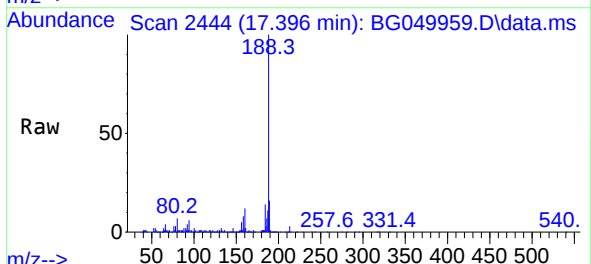
Tgt Ion:152 Resp: 35990
Ion Ratio Lower Upper
152 100
151 21.7 18.2 27.4
153 15.9 11.7 17.5

Manual Integrations
APPROVED

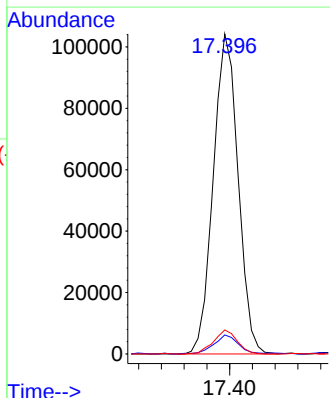
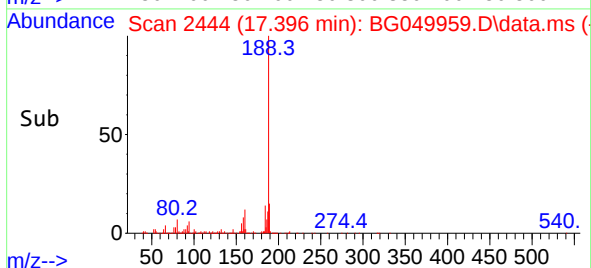
mohammad
8/25/2021 3:34:12 PM

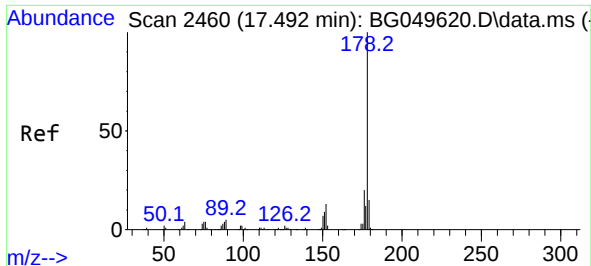


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.396 min Scan# 2444
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31



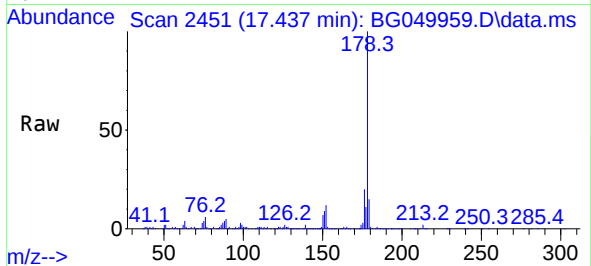
Tgt Ion:188 Resp: 157755
Ion Ratio Lower Upper
188 100
94 6.0 5.4 8.0
80 7.5 3.7 5.5#





#71
Phenanthrene
Concen: 22.449 ng
RT: 17.437 min Scan# 2451
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

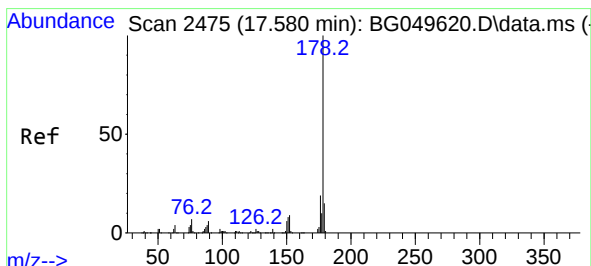
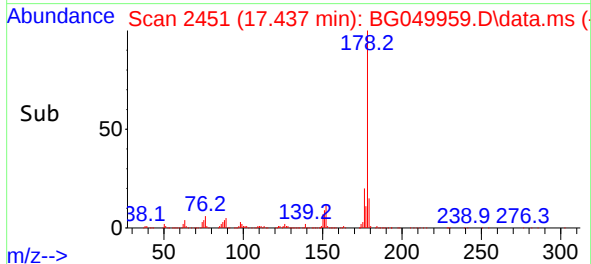
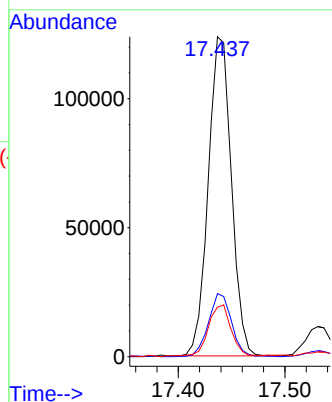
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



Tgt Ion:178 Resp: 186318
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 14.2 21.4

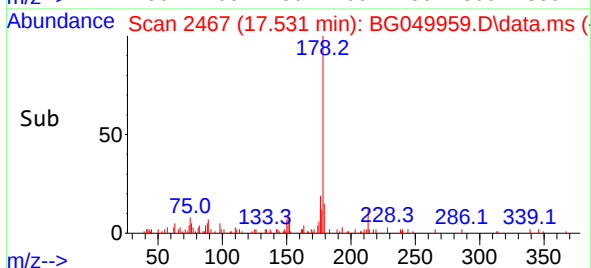
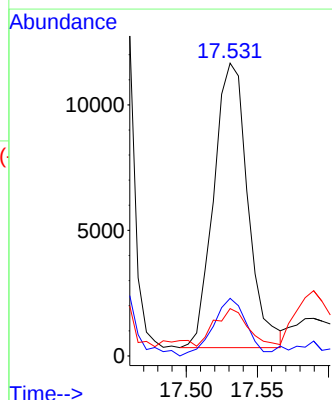
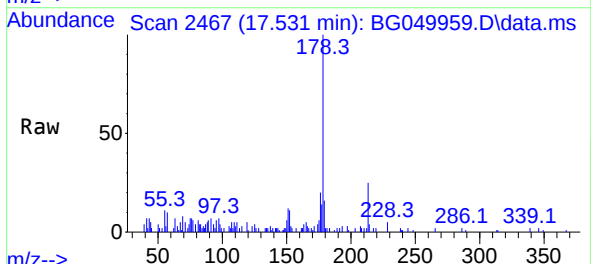
Manual Integrations
APPROVED

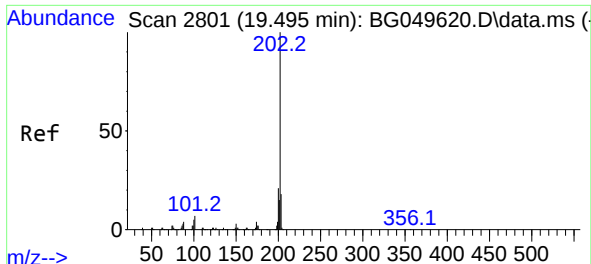
mohammad
8/25/2021 3:34:12 PM



#72
Anthracene
Concen: 2.323 ng
RT: 17.531 min Scan# 2467
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

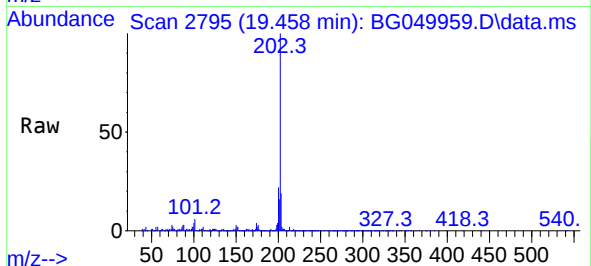
Tgt Ion:178 Resp: 18933
Ion Ratio Lower Upper
178 100
176 19.7 14.6 21.8
179 16.2 13.4 20.0





#75
Fluoranthene
Concen: 30.776 ng
RT: 19.458 min Scan# 2795
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

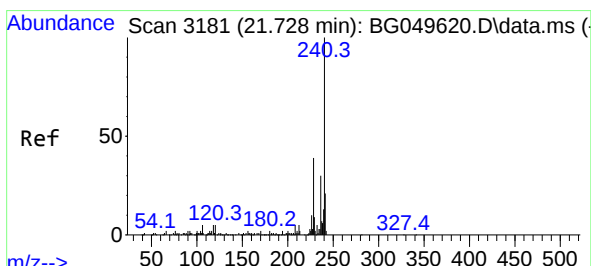
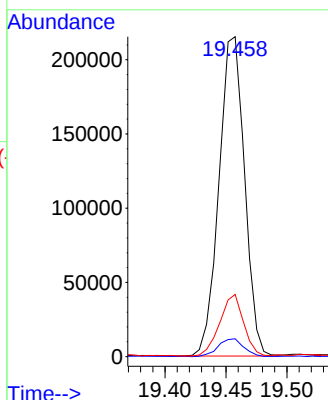
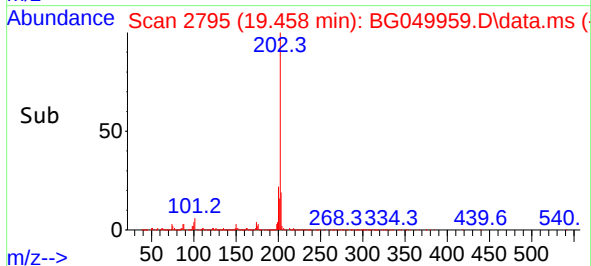
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



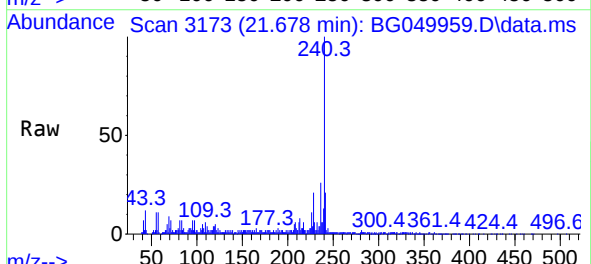
Tgt Ion:202 Resp: 314320
Ion Ratio Lower Upper
202 100
101 5.6 0.0 24.7
203 19.4 0.0 38.5

Manual Integrations
APPROVED

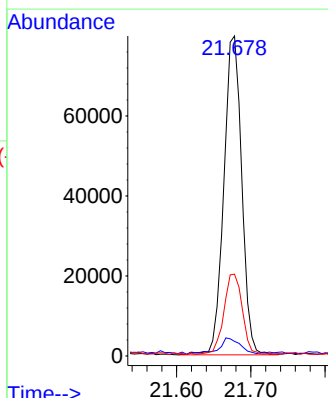
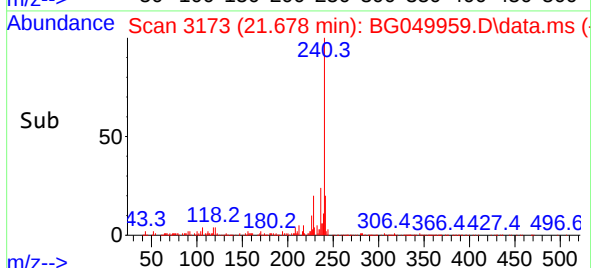
mohammad
8/25/2021 3:34:12 PM

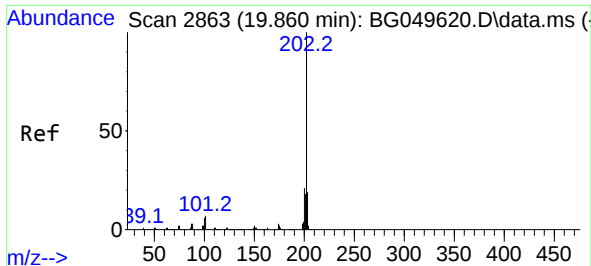


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.678 min Scan# 3173
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31



Tgt Ion:240 Resp: 133618
Ion Ratio Lower Upper
240 100
120 4.6 4.2 6.2
236 25.6 21.8 32.6





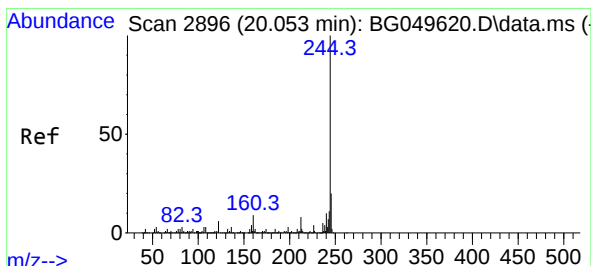
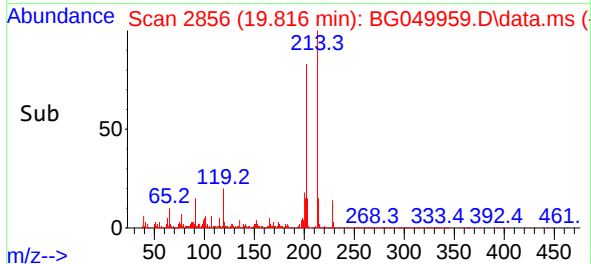
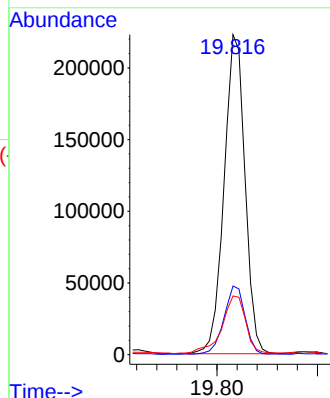
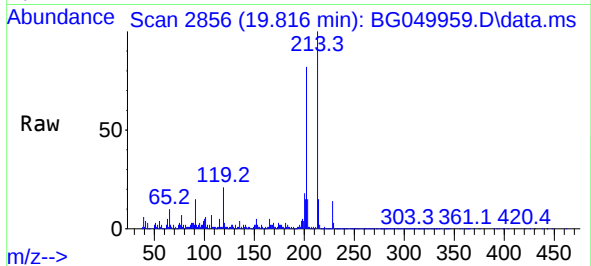
#78
Pyrene
Concen: 35.318 ng
RT: 19.816 min Scan# 2856
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:	202	Resp:	321727
Ion Ratio	Lower	Upper	
202	100		
200	21.5	15.8	23.8
203	18.4	14.6	21.8

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

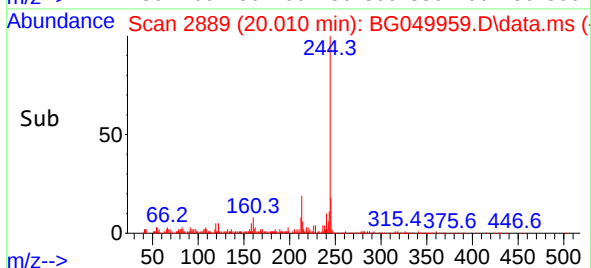
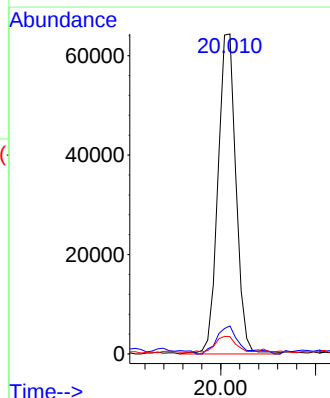
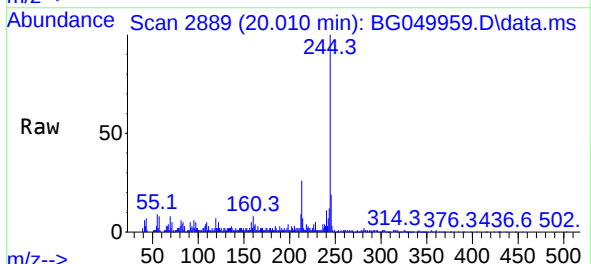
Manual Integrations
APPROVED

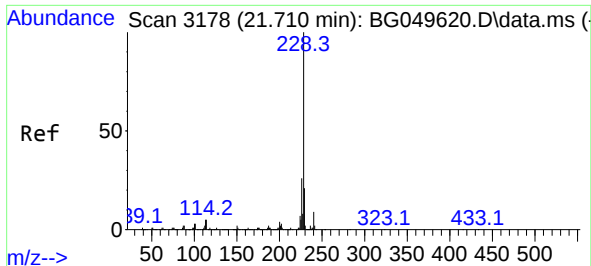
mohammad
8/25/2021 3:34:12 PM



#79
Terphenyl-d14
Concen: 11.600 ng
RT: 20.010 min Scan# 2889
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:	244	Resp:	85343
Ion Ratio	Lower	Upper	
244	100		
212	8.8	6.9	10.3
122	5.4	5.0	7.6





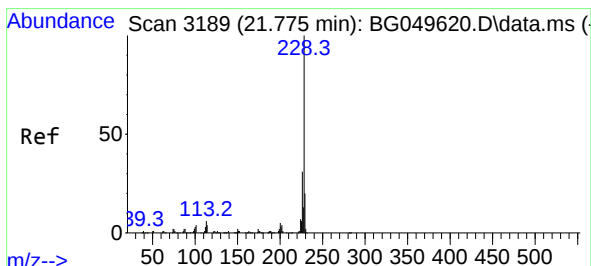
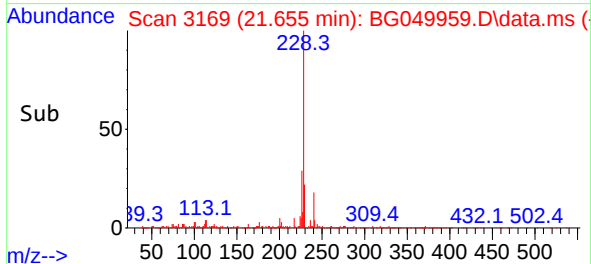
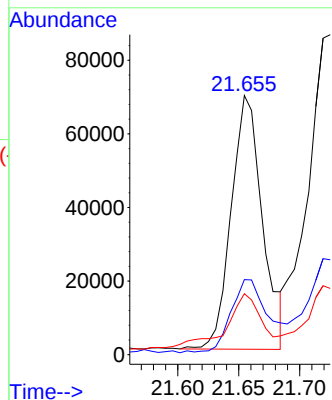
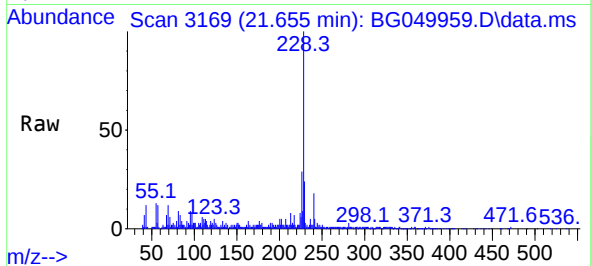
#81
Benzo(a)anthracene
Concen: 14.168 ng
RT: 21.655 min Scan# 3169
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:228 Resp: 123288
Ion Ratio Lower Upper
228 100
226 28.9 22.7 34.1
229 23.5 16.0 24.0

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

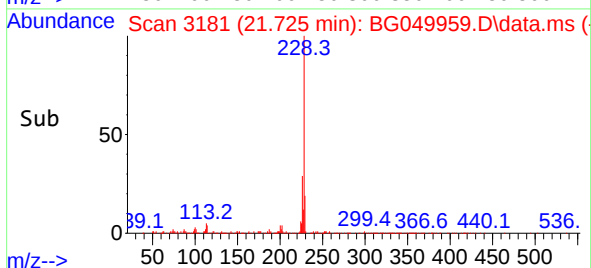
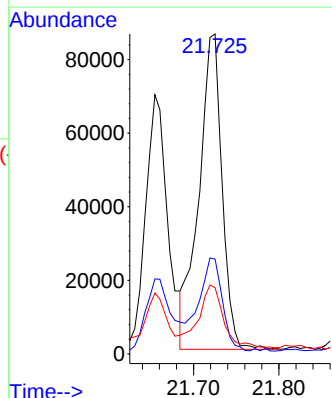
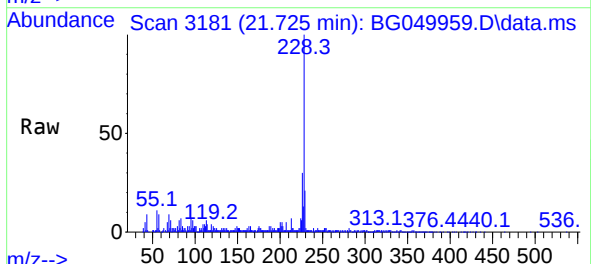
Manual Integrations
APPROVED

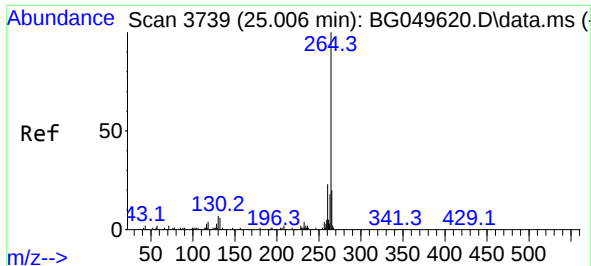
mohammad
8/25/2021 3:34:12 PM



#83
Chrysene
Concen: 19.555 ng
RT: 21.725 min Scan# 3181
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

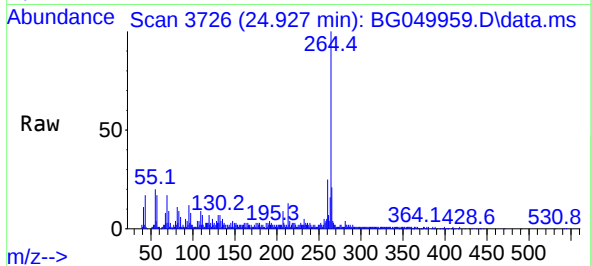
Tgt Ion:228 Resp: 162660
Ion Ratio Lower Upper
228 100
226 29.7 23.1 34.7
229 20.7 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.927 min Scan# 3726
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

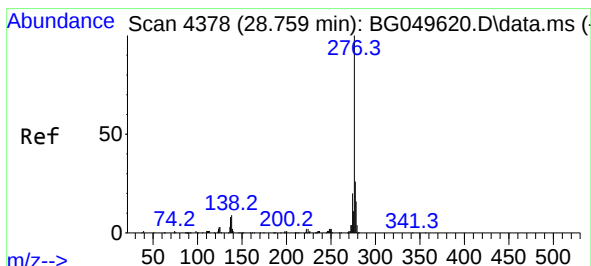
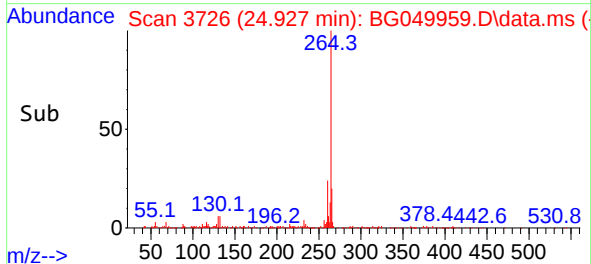
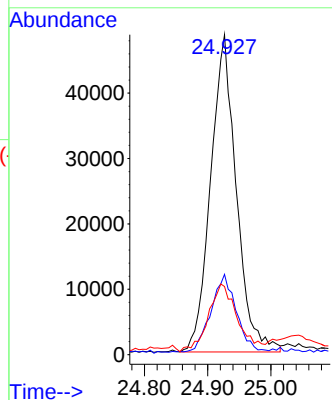


Tgt Ion:264 Resp: 137218

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	21.3	16.9	25.3

Manual Integrations
APPROVED

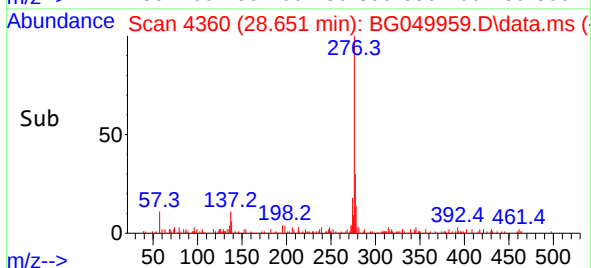
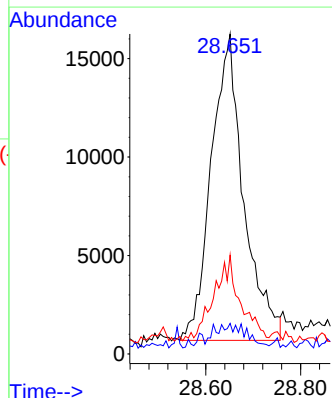
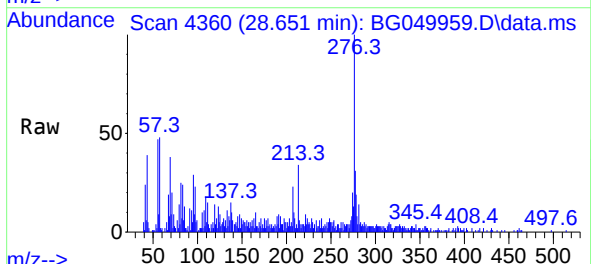
mohammad
8/25/2021 3:34:12 PM

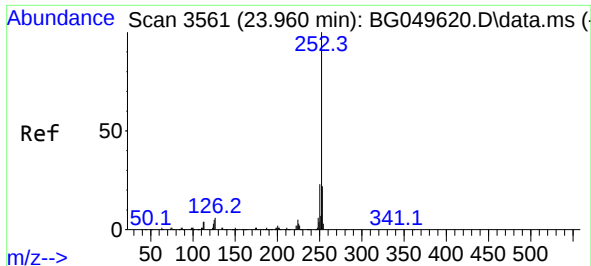


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.466 ng
RT: 28.651 min Scan# 4360
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:276 Resp: 73880

Ion	Ratio	Lower	Upper
276	100		
138	0.7	5.1	7.7#
277	23.9	19.8	29.6





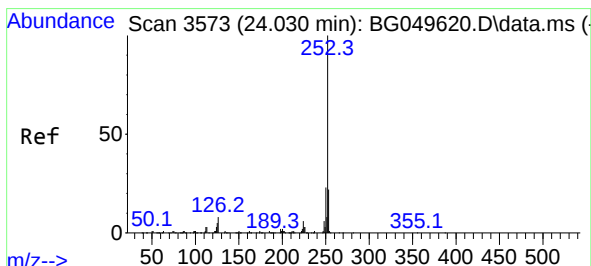
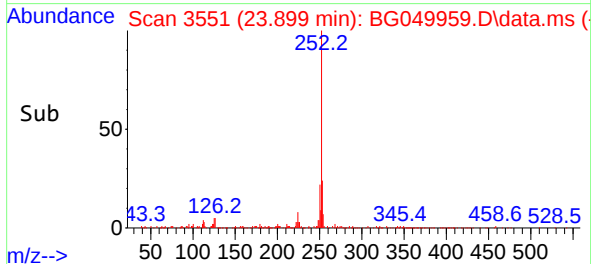
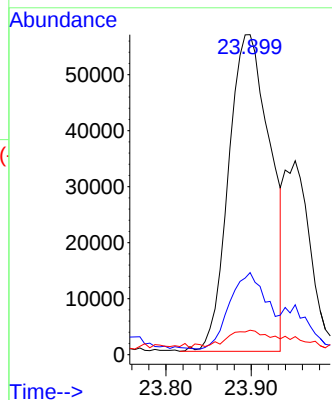
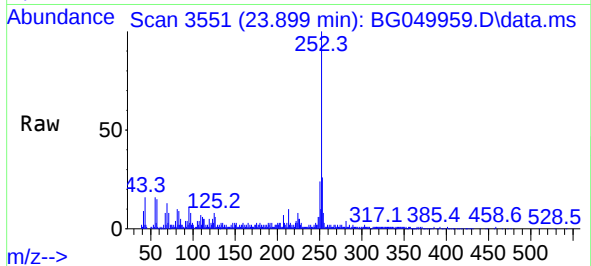
#88
Benzo(b)fluoranthene
Concen: 21.239 ng
RT: 23.899 min Scan# 3551
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:252 Resp: 191137
Ion Ratio Lower Upper
252 100
253 25.7 16.2 24.4#
125 7.6 3.0 4.4#

Instrument :
BNA_G
ClientSampled :
SWCS-02-0002

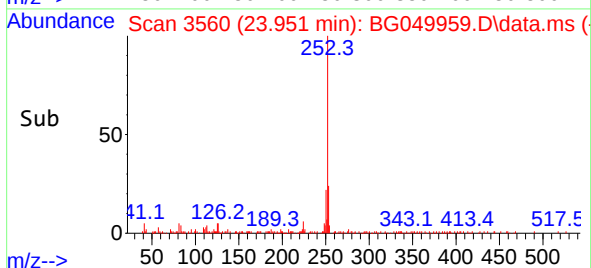
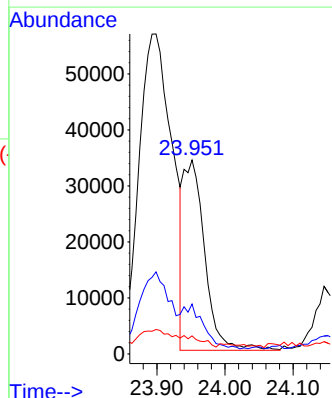
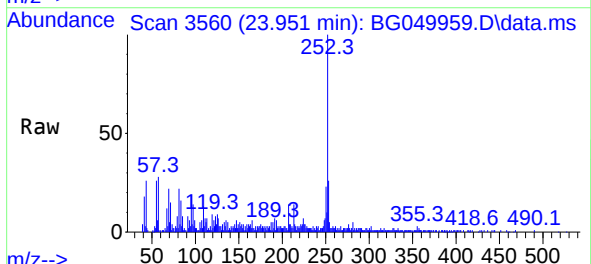
Manual Integrations
APPROVED

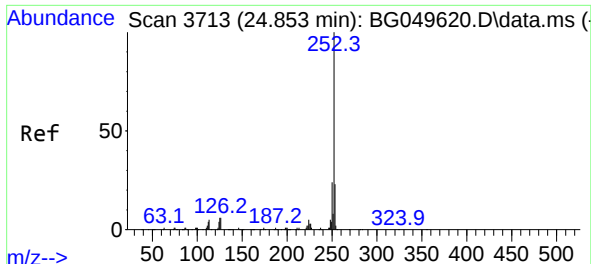
mohammad
8/25/2021 3:34:12 PM



#89
Benzo(k)fluoranthene
Concen: 8.823 ng m
RT: 23.951 min Scan# 3560
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

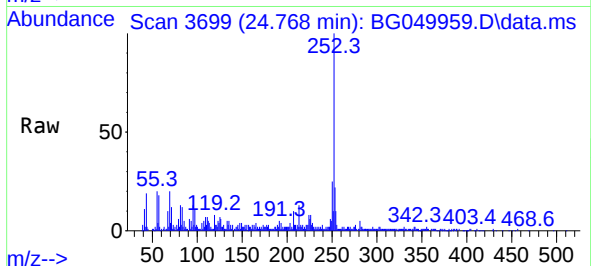
Tgt Ion:252 Resp: 74062
Ion Ratio Lower Upper
252 100
253 25.8 18.0 27.0
125 9.3 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 16.113 ng
RT: 24.768 min Scan# 3699
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

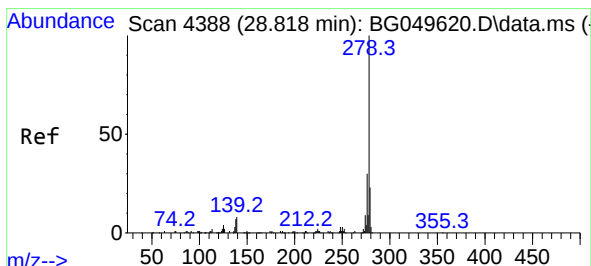
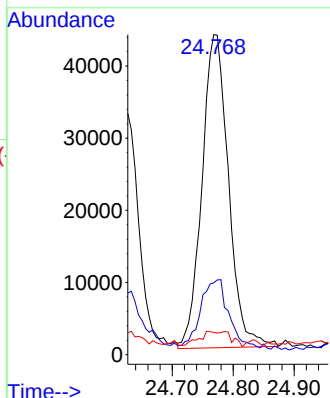
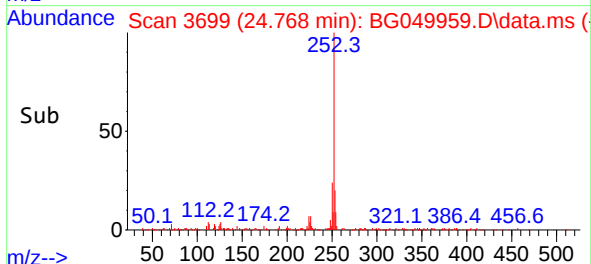
Instrument :
BNA_G
ClientSampled :
SWCS-02-0002



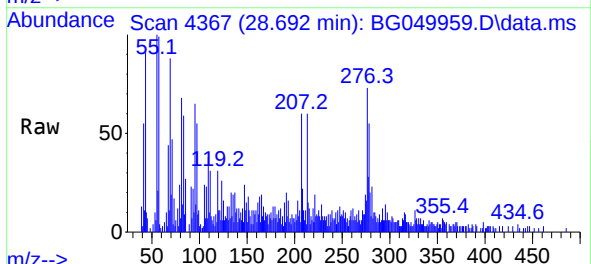
Tgt Ion:252 Resp: 131227
Ion Ratio Lower Upper
252 100
253 22.5 16.6 25.0
125 7.0 3.5 5.3#

Manual Integrations
APPROVED

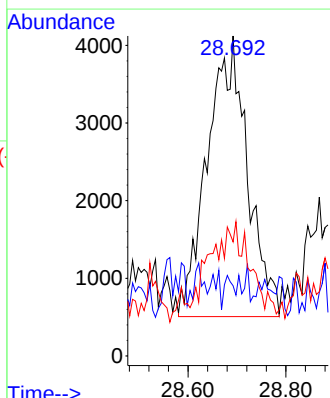
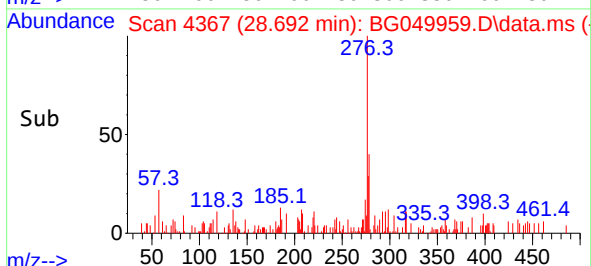
mohammad
8/25/2021 3:34:12 PM

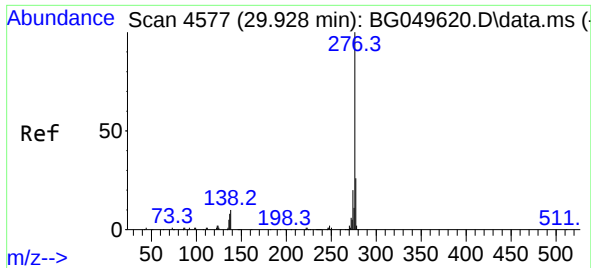


#91
Dibenzo(a,h)anthracene
Concen: 2.455 ng m
RT: 28.692 min Scan# 4367
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31



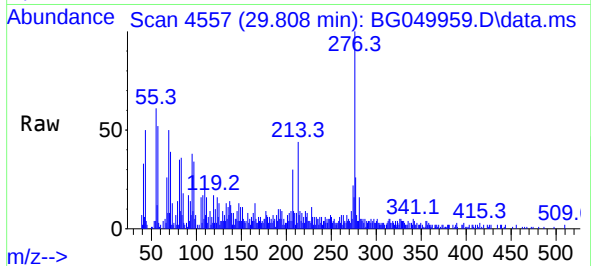
Tgt Ion:278 Resp: 20475
Ion Ratio Lower Upper
278 100
139 21.9 4.6 6.8#
279 35.7 17.9 26.9#





#92
Benzo(g,h,i)perylene
Concen: 7.971 ng
RT: 29.808 min Scan# 4557
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.4	27.6
138	12.2	7.0	10.6

Manual Integrations
APPROVED

mohammad
8/25/2021 3:34:12 PM

