

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054405.D
 Acq On : 26 Jul 2022 19:45
 Operator : CG/JU
 Sample : N3814-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/27/2022
 Supervised By : Jagrut Upadhyay 07/27/2022

Quant Time: Jul 27 04:34:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.990	152	23074	20.000	ng	-0.01
21) Naphthalene-d8	10.798	136	83410	20.000	ng	# 0.00
39) Acenaphthene-d10	14.623	164	60640	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	146233	20.000	ng	#-0.01
76) Chrysene-d12	21.633	240	159634	20.000	ng	#-0.01
86) Perylene-d12	24.841	264	149177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	71475	64.675	ng	0.00
7) Phenol-d6	7.173	99	93192	61.541	ng	0.00
23) Nitrobenzene-d5	9.153	82	64129	41.869	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	78261	61.467	ng	-0.01
45) 2-Fluorobiphenyl	13.242	172	189343	44.048	ng	-0.02
79) Terphenyl-d14	19.976	244	359855	44.720	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.408	178	119315	16.384	ng	97
72) Anthracene	17.502	178	27381	3.832	ng	96
75) Fluoranthene	19.423	202	238908	24.066	ng	95
78) Pyrene	19.782	202	200640	21.905	ng	98
81) Benzo(a)anthracene	21.615	228	132632	13.089	ng	98
83) Chrysene	21.680	228	124309m	12.984	ng	
84) Bis(2-ethylhexyl)phtha...	21.509	149	41037	10.160	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.519	276	46013	4.055	ng	# 76
88) Benzo(b)fluoranthene	23.830	252	149105	16.901	ng	# 91
89) Benzo(k)fluoranthene	23.883	252	67337m	7.669	ng	
90) Benzo(a)pyrene	24.682	252	102680	13.629	ng	# 91
92) Benzo(g,h,i)perylene	29.658	276	39343	4.272	ng	# 86

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

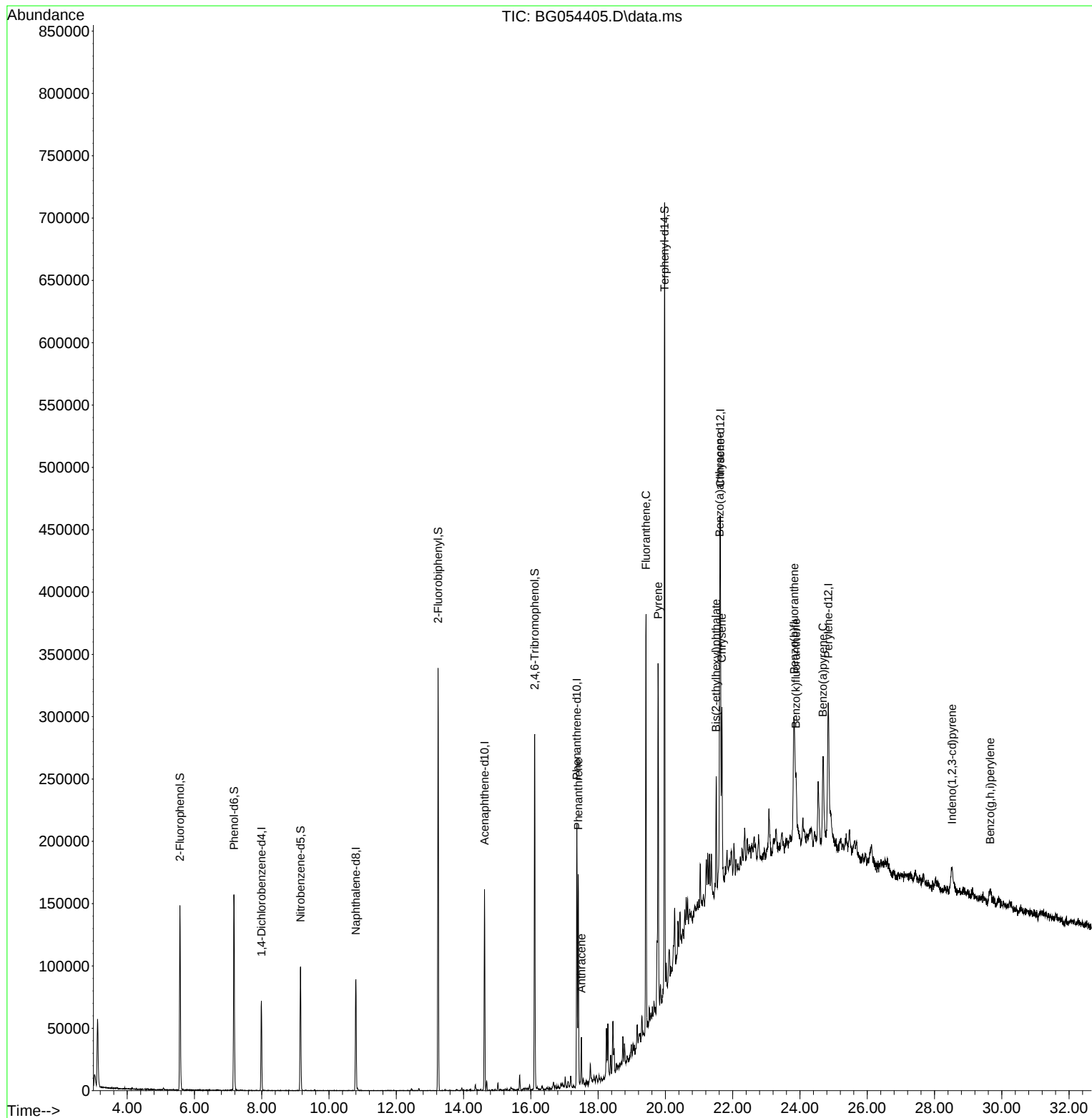
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054405.D
Acq On : 26 Jul 2022 19:45
Operator : CG/JU
Sample : N3814-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

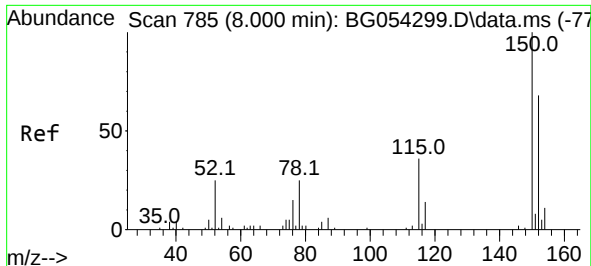
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

Quant Time: Jul 27 04:34:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

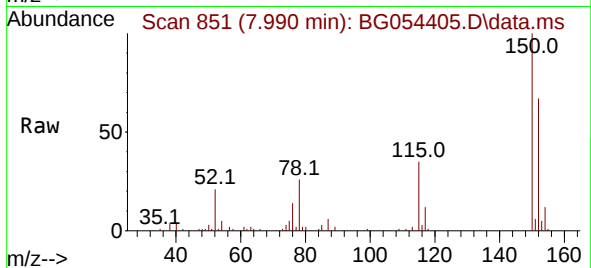
Reviewed By : Christian Giraldo 07/27/2022
Supervised By : Jagrut Upadhyay 07/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.990 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

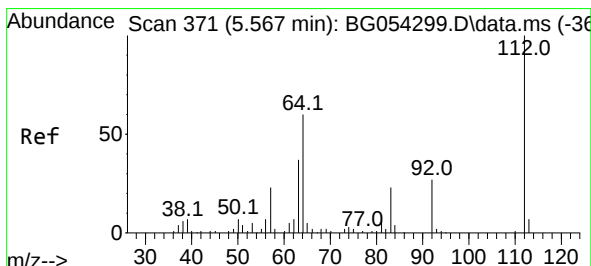
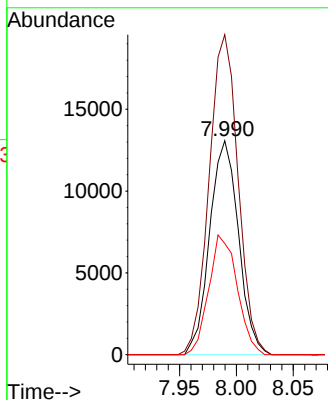
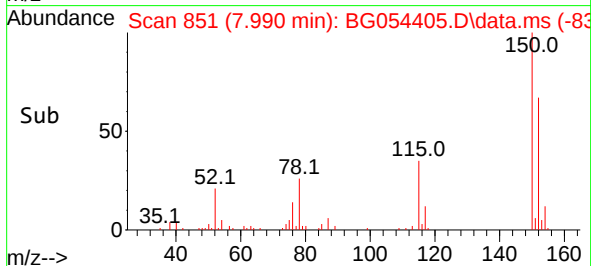
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)



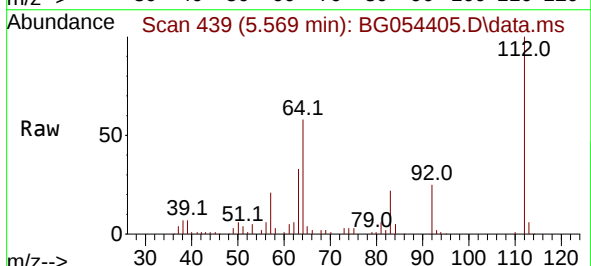
Tgt Ion:152 Resp: 23074
Ion Ratio Lower Upper
152 100
150 149.6 131.6 197.4
115 52.0 50.9 76.3

Manual Integrations
APPROVED

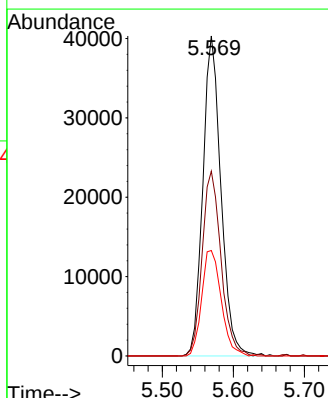
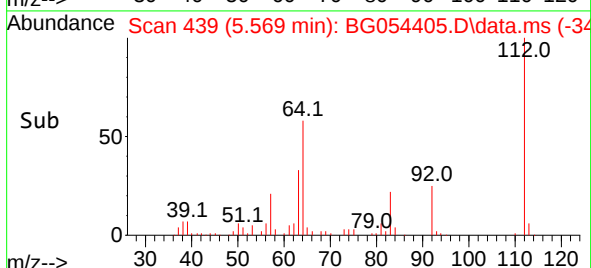
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

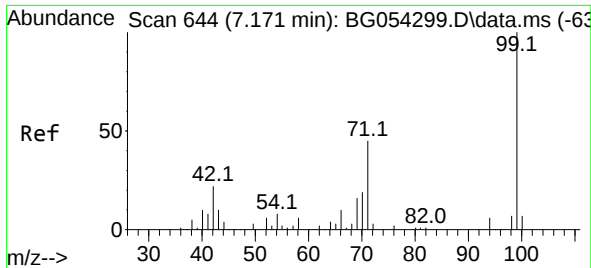


#5
2-Fluorophenol
Concen: 64.675 ng
RT: 5.569 min Scan# 439
Delta R.T. 0.002 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45



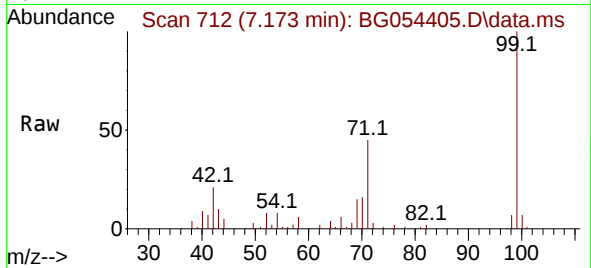
Tgt Ion:112 Resp: 71475
Ion Ratio Lower Upper
112 100
64 57.8 55.1 82.7
63 33.0 30.4 45.6





#7
Phenol-d6
Concen: 61.541 ng
RT: 7.173 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

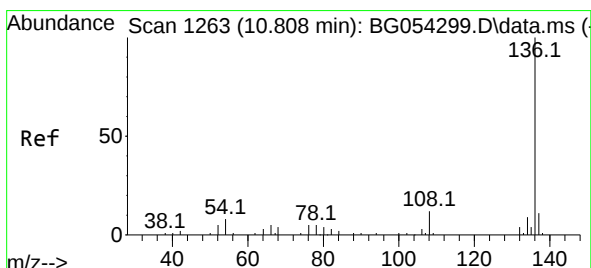
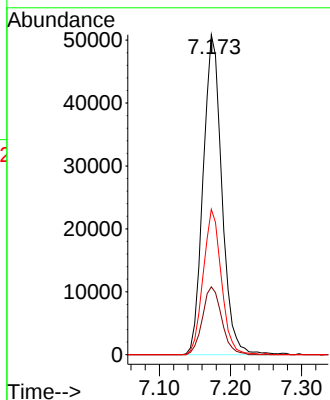
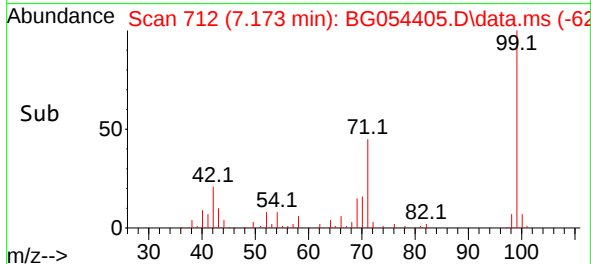
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)



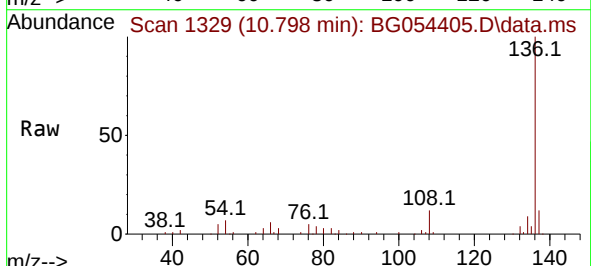
Tgt Ion: 99 Resp: 93192
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 45.5 33.8 50.8

Manual Integrations
APPROVED

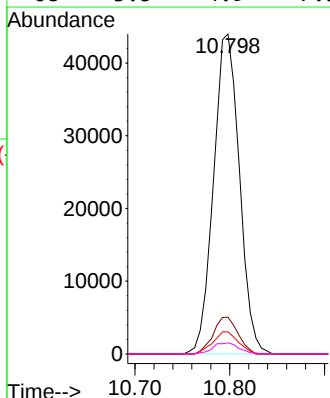
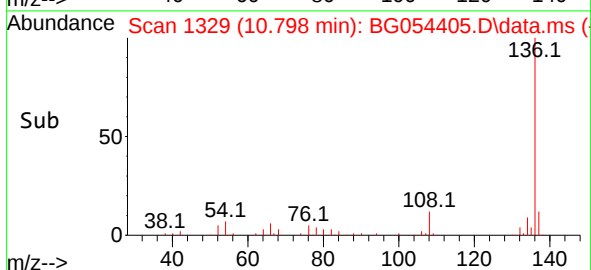
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

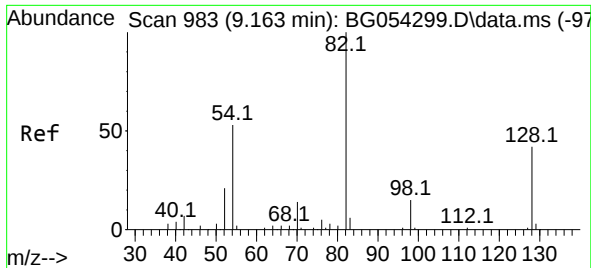


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1329
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45



Tgt Ion:136 Resp: 83410
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 6.9 7.4 11.2#
68 3.5 4.9 7.3#





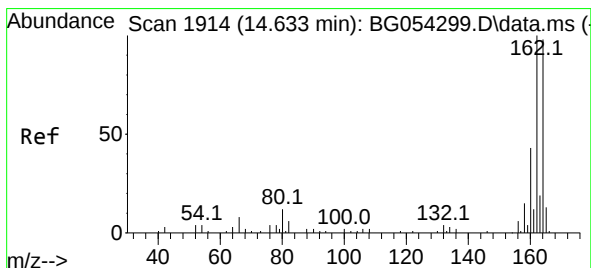
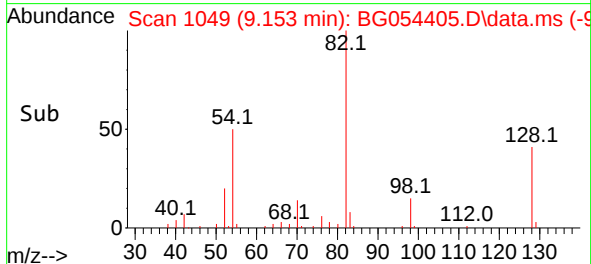
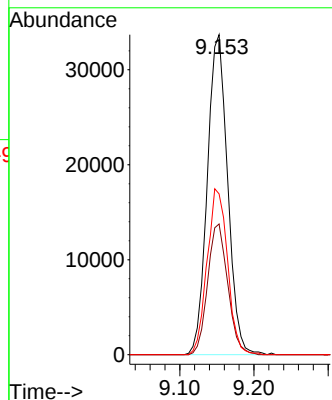
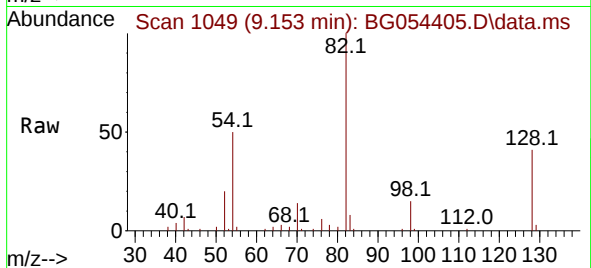
#23
Nitrobenzene-d5
Concen: 41.869 ng
RT: 9.153 min Scan# 1049
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

Tgt Ion: 82 Resp: 64129
Ion Ratio Lower Upper
82 100
128 40.9 27.9 41.9
54 50.2 41.2 61.8

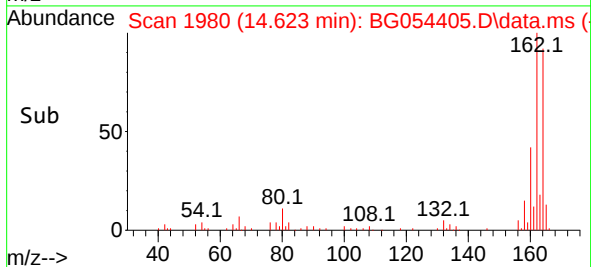
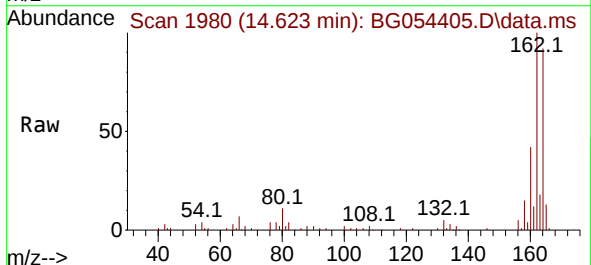
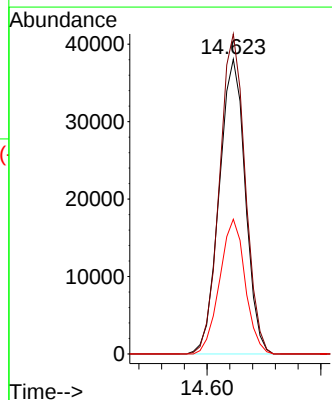
Manual Integrations
APPROVED

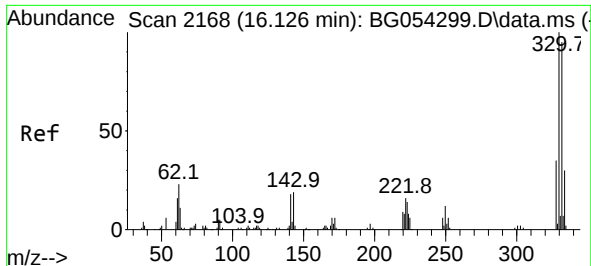
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1980
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:164 Resp: 60640
Ion Ratio Lower Upper
164 100
162 108.6 82.3 123.5
160 45.7 34.2 51.2





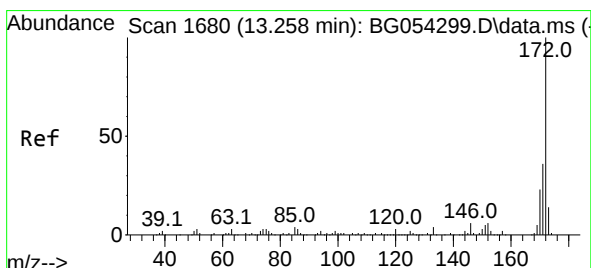
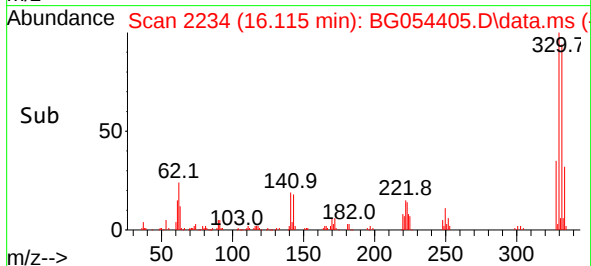
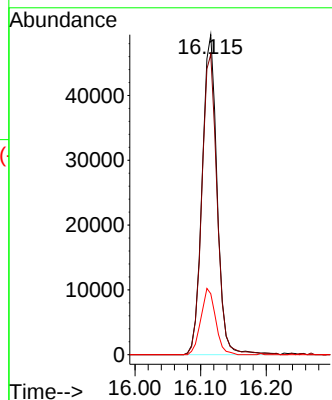
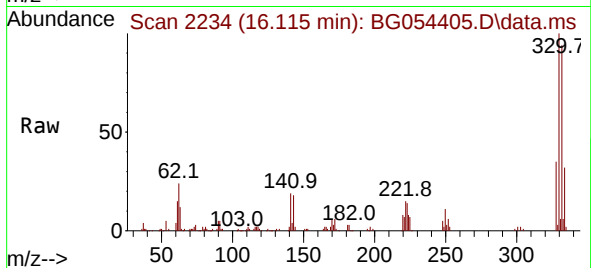
#42
2,4,6-Tribromophenol
Concen: 61.467 ng
RT: 16.115 min Scan# 2168
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

Tgt Ion:330 Resp: 7826
Ion Ratio Lower Upper
330 100
332 95.7 76.0 114.0
141 20.4 27.1 40.7

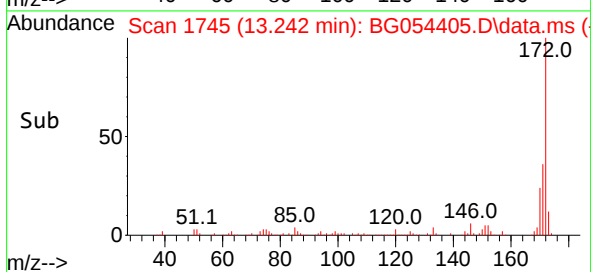
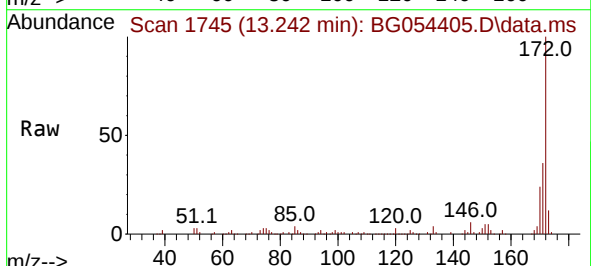
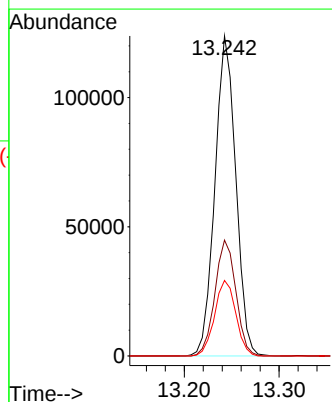
Manual Integrations
APPROVED

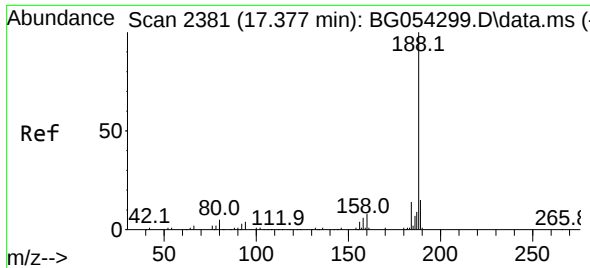
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#45
2-Fluorobiphenyl
Concen: 44.048 ng
RT: 13.242 min Scan# 1745
Delta R.T. -0.016 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

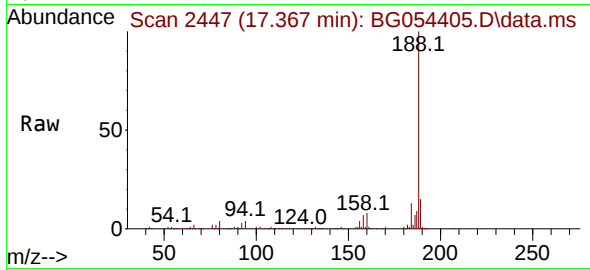
Tgt Ion:172 Resp: 189343
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 23.6 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 2447
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

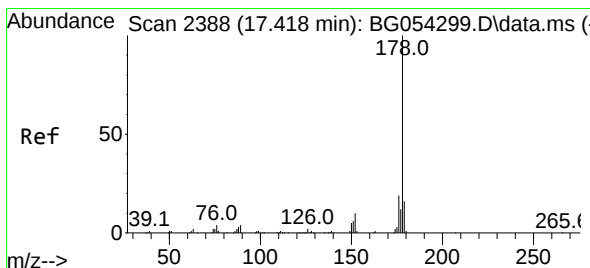
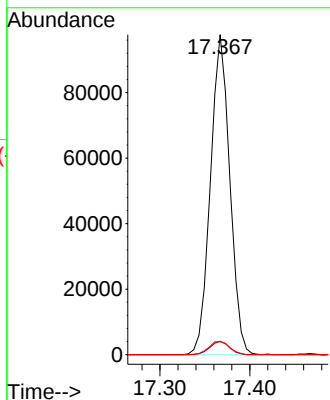
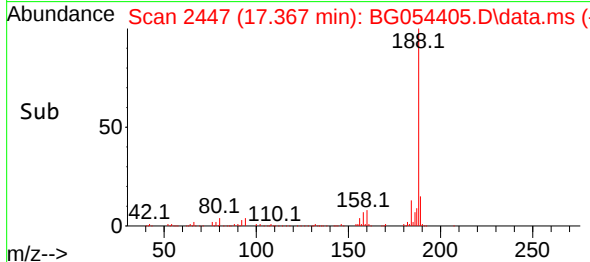
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)



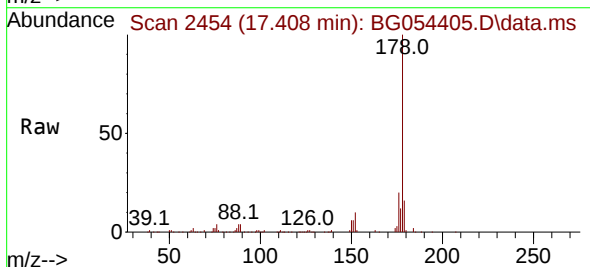
Tgt Ion:188 Resp: 14623
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0
80 4.0 6.8 10.2

Manual Integrations
APPROVED

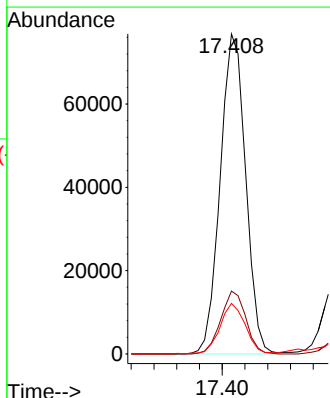
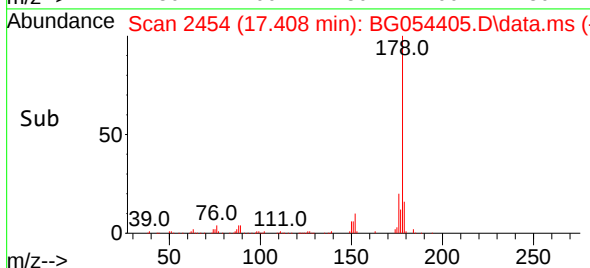
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

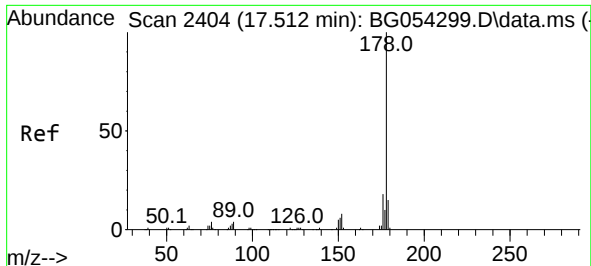


#71
Phenanthrene
Concen: 16.384 ng
RT: 17.408 min Scan# 2454
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45



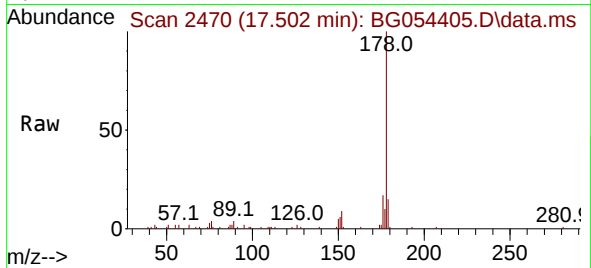
Tgt Ion:178 Resp: 119315
Ion Ratio Lower Upper
178 100
176 19.6 14.1 21.1
179 15.8 12.1 18.1





#72
 Anthracene
 Concen: 3.832 ng
 RT: 17.502 min Scan# 2404
 Delta R.T. -0.010 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

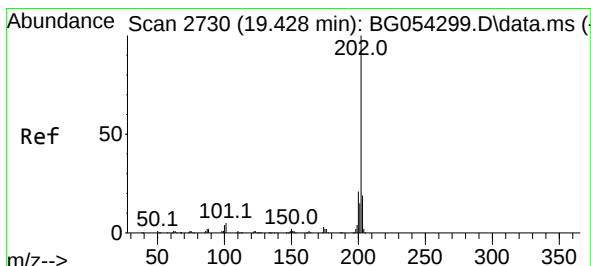
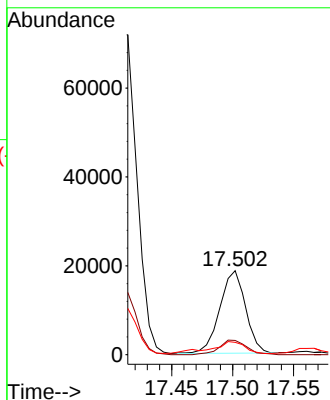
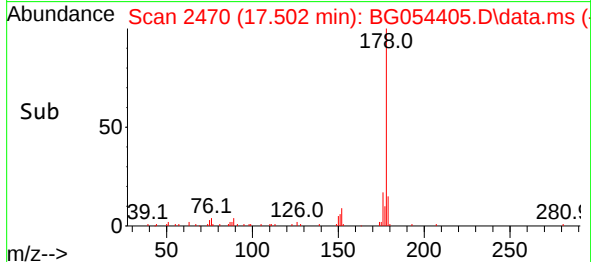
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)



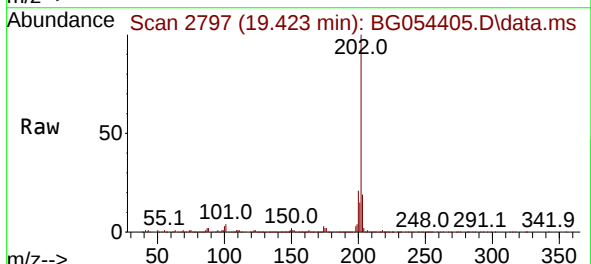
Tgt Ion:178 Resp: 2738
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.2 22.8
 179 14.8 13.0 19.4

Manual Integrations
 APPROVED

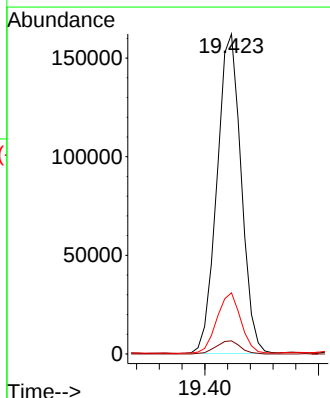
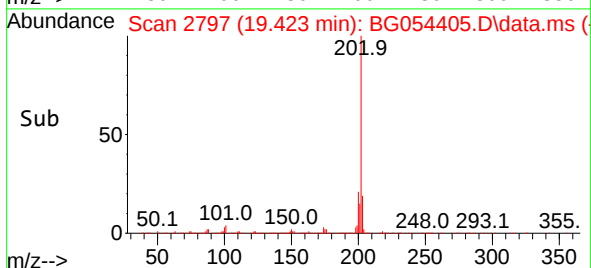
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022

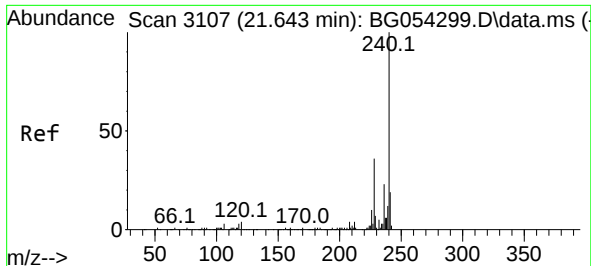


#75
 Fluoranthene
 Concen: 24.066 ng
 RT: 19.423 min Scan# 2797
 Delta R.T. -0.004 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45



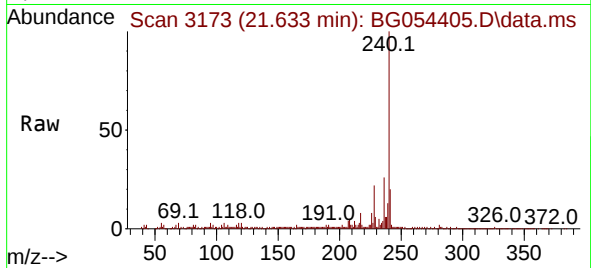
Tgt Ion:202 Resp: 238908
 Ion Ratio Lower Upper
 202 100
 101 4.1 0.0 26.9
 203 19.1 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3107
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

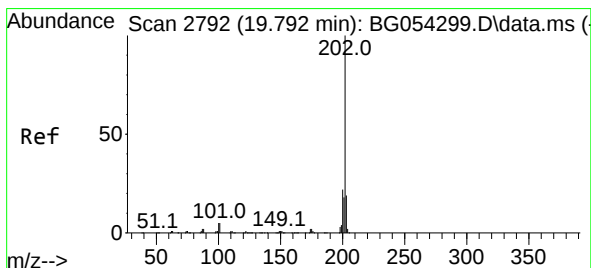
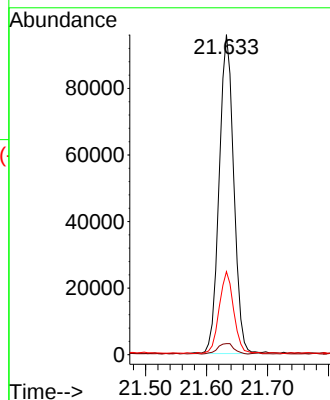
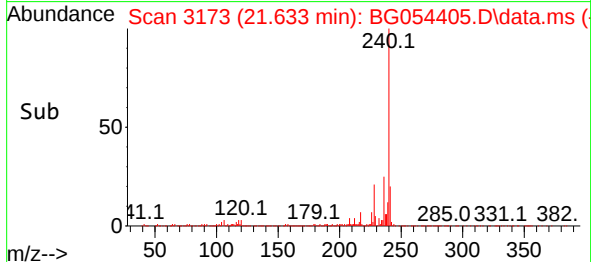
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)



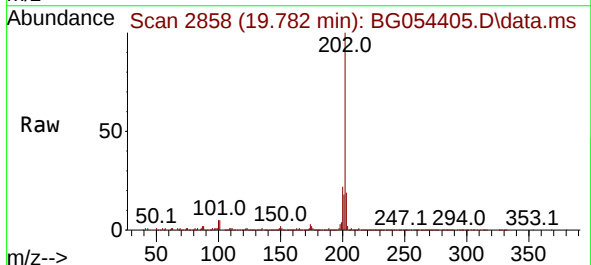
Tgt Ion:240 Resp: 159634
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0
236 25.9 20.2 30.4

Manual Integrations
APPROVED

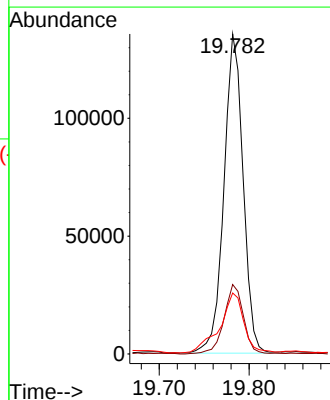
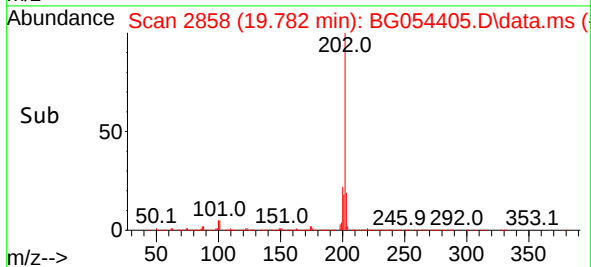
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

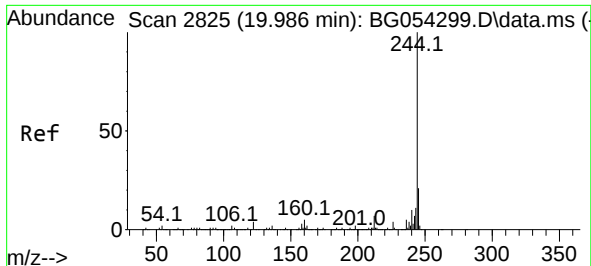


#78
Pyrene
Concen: 21.905 ng
RT: 19.782 min Scan# 2858
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45



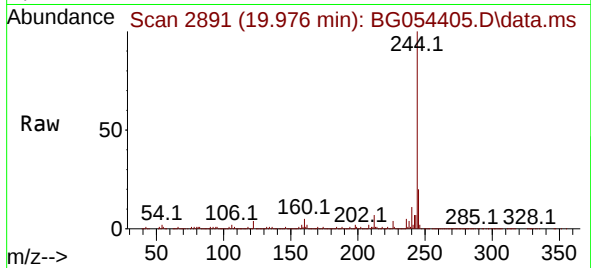
Tgt Ion:202 Resp: 200640
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 19.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 44.720 ng
 RT: 19.976 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

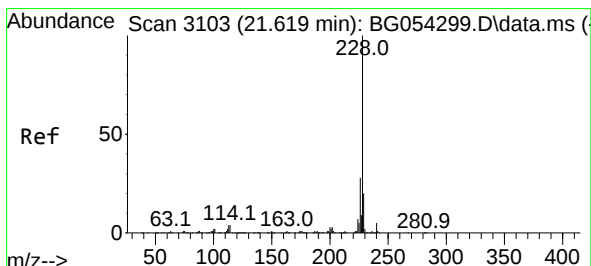
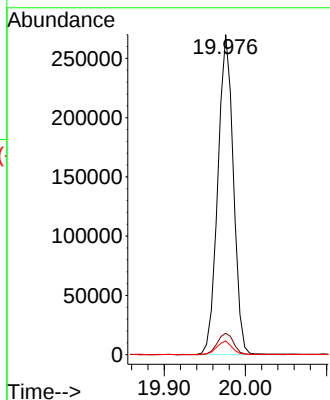
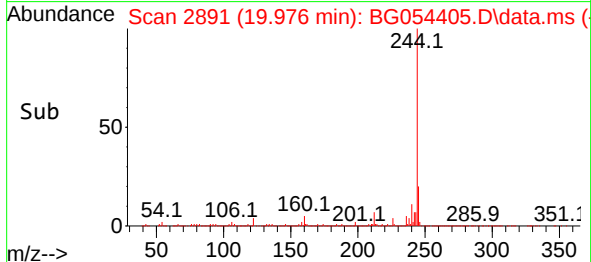
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)



Tgt Ion:244 Resp: 35985
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.3 5.0 7.4

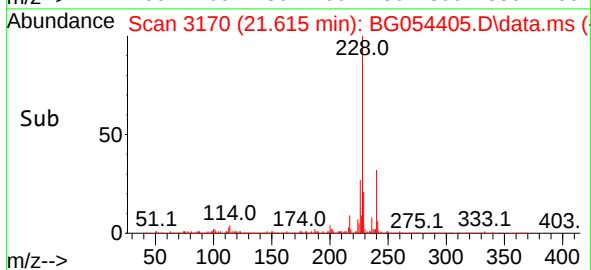
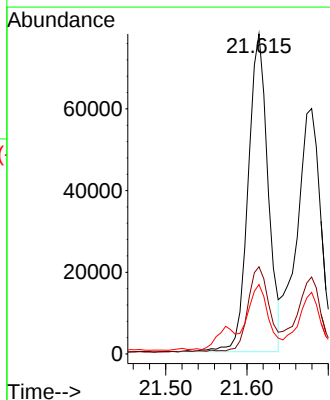
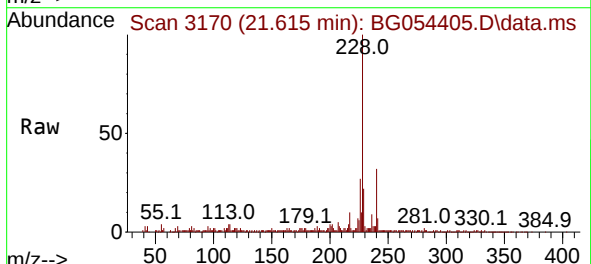
Manual Integrations
 APPROVED

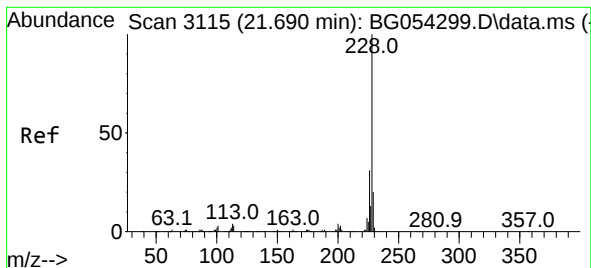
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022



#81
 Benzo(a)anthracene
 Concen: 13.089 ng
 RT: 21.615 min Scan# 3170
 Delta R.T. -0.004 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

Tgt Ion:228 Resp: 132632
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 21.7 16.2 24.2





#83

Chrysene

Concen: 12.984 ng m

RT: 21.680 min Scan# 3115

Delta R.T. -0.010 min

Lab File: BG054405.D

Acq: 26 Jul 2022 19:45

Instrument :

BNA_G

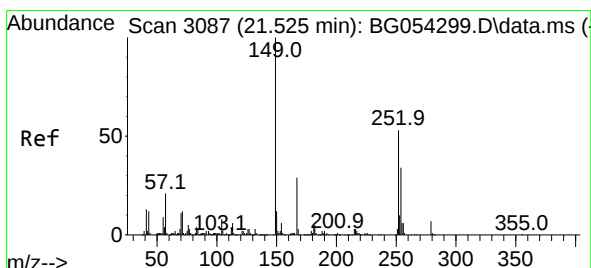
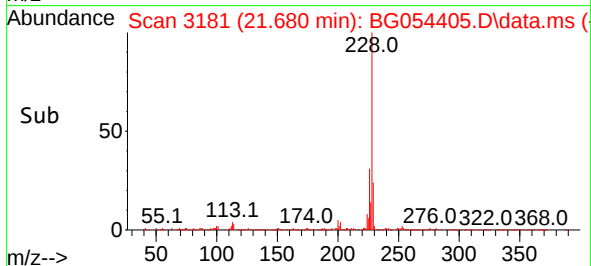
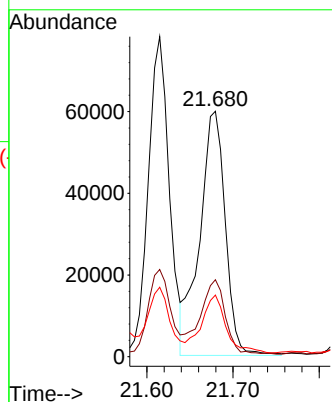
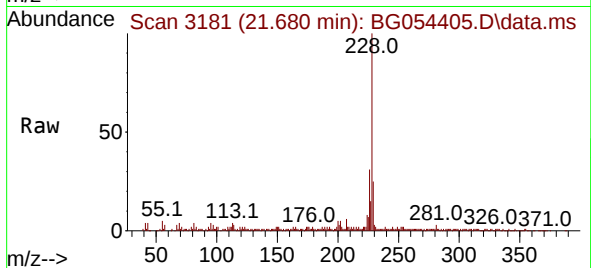
ClientSampleId :

ENV-DE-4(5-10)

Tgt Ion:228 Resp: 124309
 Ion Ratio Lower Upper
 228 100
 226 31.3 23.4 35.2
 229 25.1 15.5 23.3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.160 ng

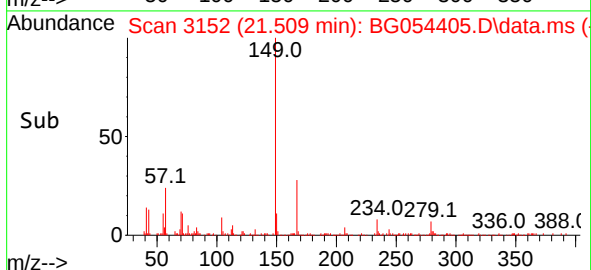
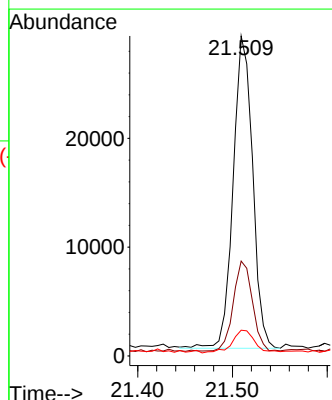
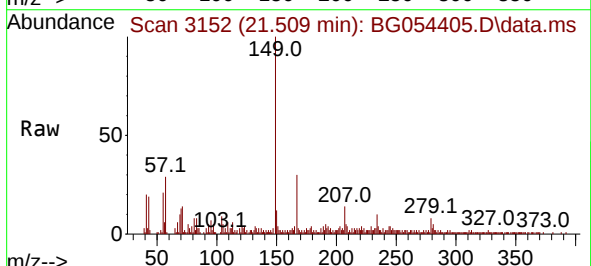
RT: 21.509 min Scan# 3152

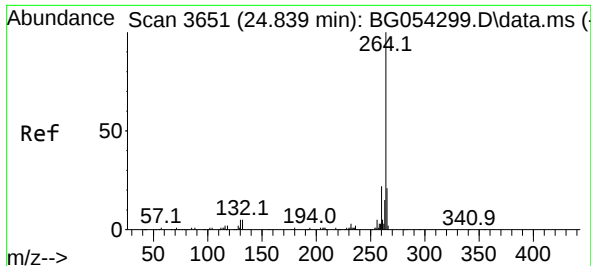
Delta R.T. -0.016 min

Lab File: BG054405.D

Acq: 26 Jul 2022 19:45

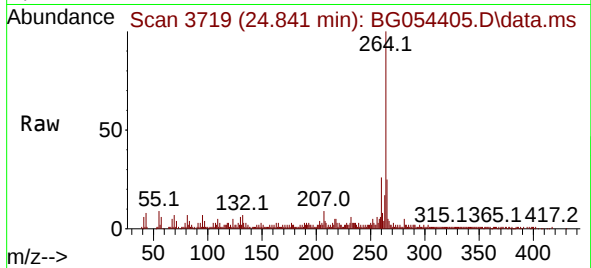
Tgt Ion:149 Resp: 41037
 Ion Ratio Lower Upper
 149 100
 167 29.7 20.2 30.4
 279 8.0 3.6 5.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.841 min Scan# 31
 Delta R.T. 0.002 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

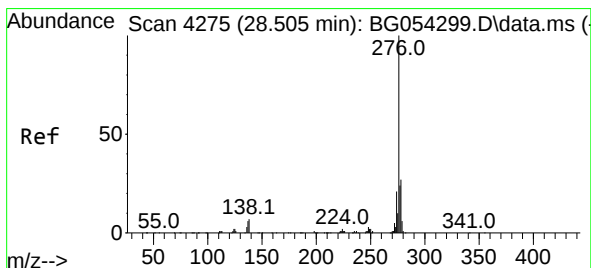
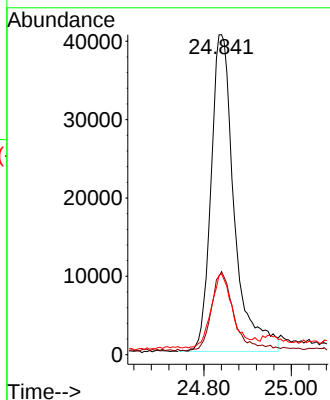
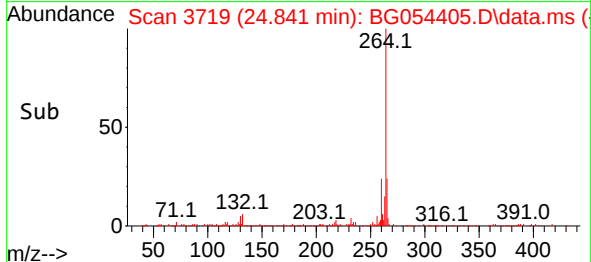
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)



Tgt Ion:264 Resp: 14917
 Ion Ratio Lower Upper
 264 100
 260 26.0 19.0 28.6
 265 25.3 17.4 26.2

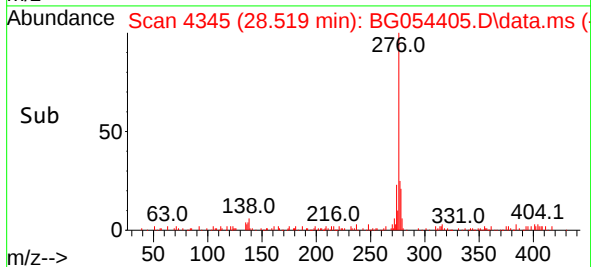
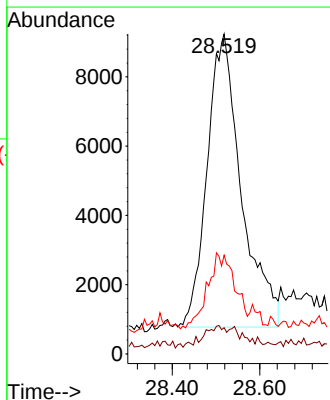
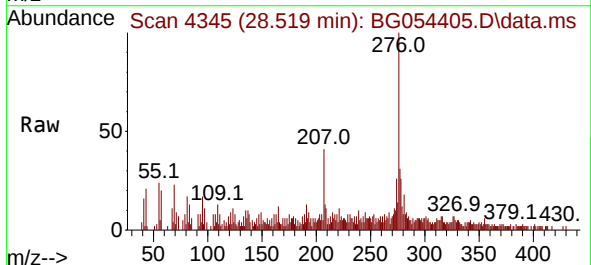
Manual Integrations
 APPROVED

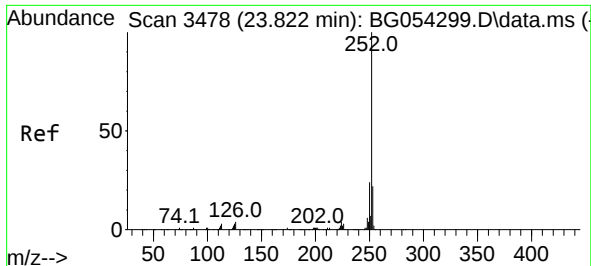
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.055 ng
 RT: 28.519 min Scan# 4345
 Delta R.T. 0.013 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

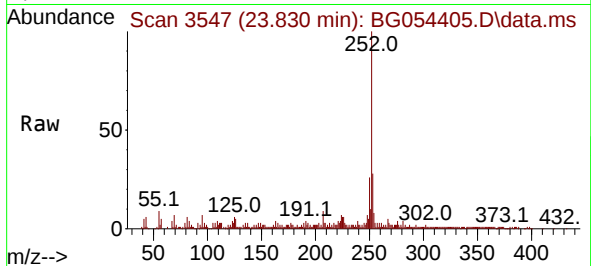
Tgt Ion:276 Resp: 46013
 Ion Ratio Lower Upper
 276 100
 138 4.7 5.0 7.4#
 277 10.8 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 16.901 ng
RT: 23.830 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

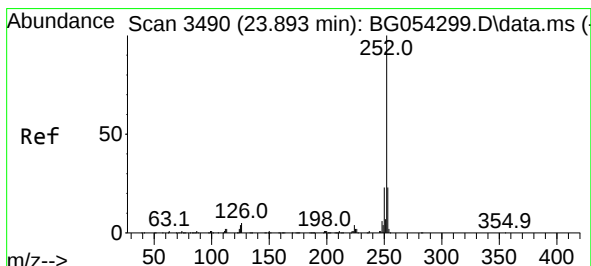
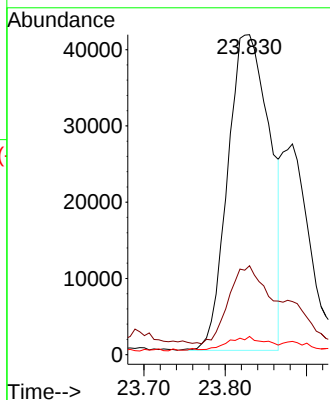
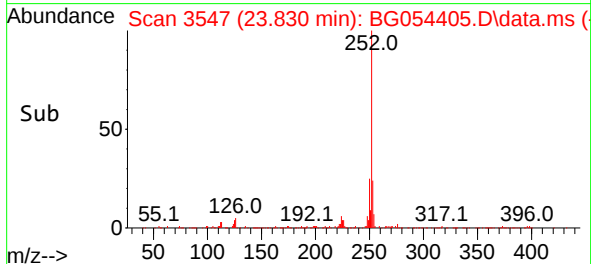
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)



Tgt Ion:252 Resp: 14910
Ion Ratio Lower Upper
252 100
253 27.8 18.0 27.0
125 5.7 4.6 6.8

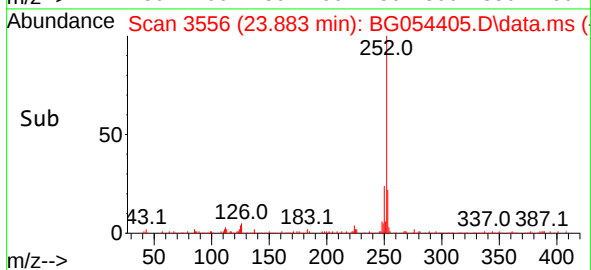
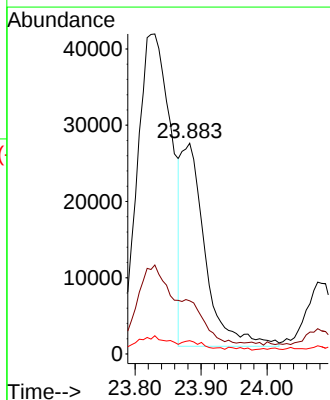
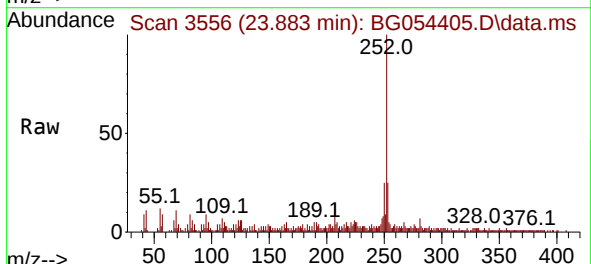
Manual Integrations
APPROVED

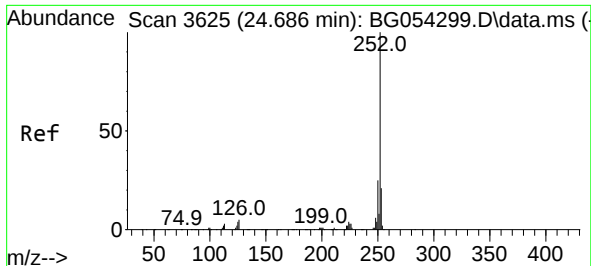
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#89
Benzo(k)fluoranthene
Concen: 7.669 ng m
RT: 23.883 min Scan# 3556
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

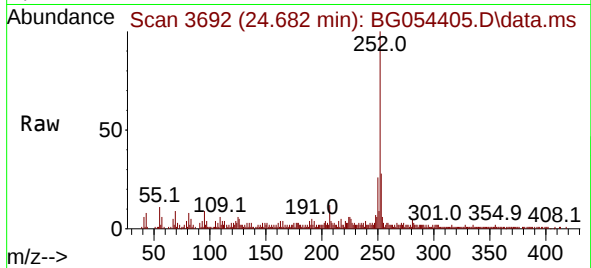
Tgt Ion:252 Resp: 67337
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 6.3 4.8 7.2





#90
Benzo(a)pyrene
Concen: 13.629 ng
RT: 24.682 min Scan# 30
Delta R.T. -0.004 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

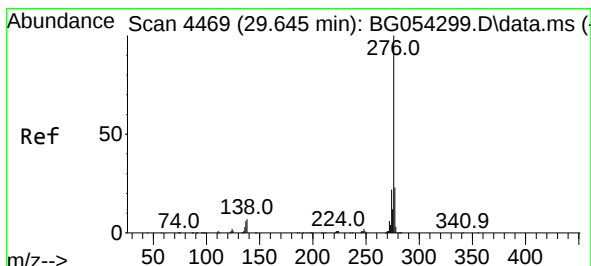
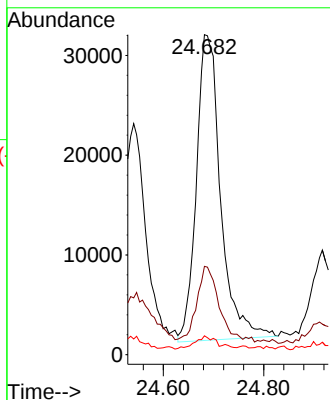
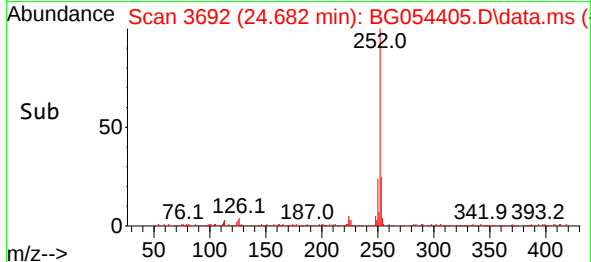
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)



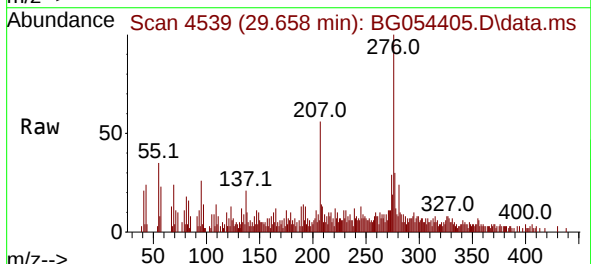
Tgt Ion:252 Resp: 102680
Ion Ratio Lower Upper
252 100
253 27.6 17.8 26.8
125 5.9 4.3 6.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#92
Benzo(g,h,i)perylene
Concen: 4.272 ng
RT: 29.658 min Scan# 4539
Delta R.T. 0.013 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45



Tgt Ion:276 Resp: 39343
Ion Ratio Lower Upper
276 100
277 30.3 17.3 25.9
138 10.0 9.6 14.4

