

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054367.D
 Acq On : 22 Jul 2022 20:03
 Operator : CG/JU
 Sample : N3814-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/25/2022
 Supervised By : Jagrut Upadhyay 07/25/2022

Quant Time: Jul 23 00:12:30 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	7.994	152	23532	20.000	ng	0.00
21) Naphthalene-d8	10.802	136	90672	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	66774	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	158523	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	176103	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	189295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	30718	27.255	ng	0.00
7) Phenol-d6	7.171	99	42940	27.804	ng	0.00
23) Nitrobenzene-d5	9.151	82	30611	18.385	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	36689	26.169	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	93573	19.769	ng	-0.01
79) Terphenyl-d14	19.980	244	170172	19.170	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.351	152	11905	2.096	ng	98
71) Phenanthrene	17.412	178	197799	25.056	ng	98
72) Anthracene	17.506	178	48356	6.242	ng	98
75) Fluoranthene	19.428	202	423472	39.351	ng	95
78) Pyrene	19.786	202	370016	36.618	ng	98
81) Benzo(a)anthracene	21.619	228	259899	23.249	ng	98
83) Chrysene	21.684	228	216258	20.476	ng	96
87) Indeno(1,2,3-cd)pyrene	28.505	276	152944	10.621	ng	98
88) Benzo(b)fluoranthene	23.823	252	319228	28.516	ng	# 98
89) Benzo(k)fluoranthene	23.881	252	100875m	9.054	ng	
90) Benzo(a)pyrene	24.686	252	231605m	24.226	ng	
91) Dibenzo(a,h)anthracene	28.535	278	39056	3.298	ng	# 92
92) Benzo(g,h,i)perylene	29.657	276	139745	11.957	ng	# 91

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

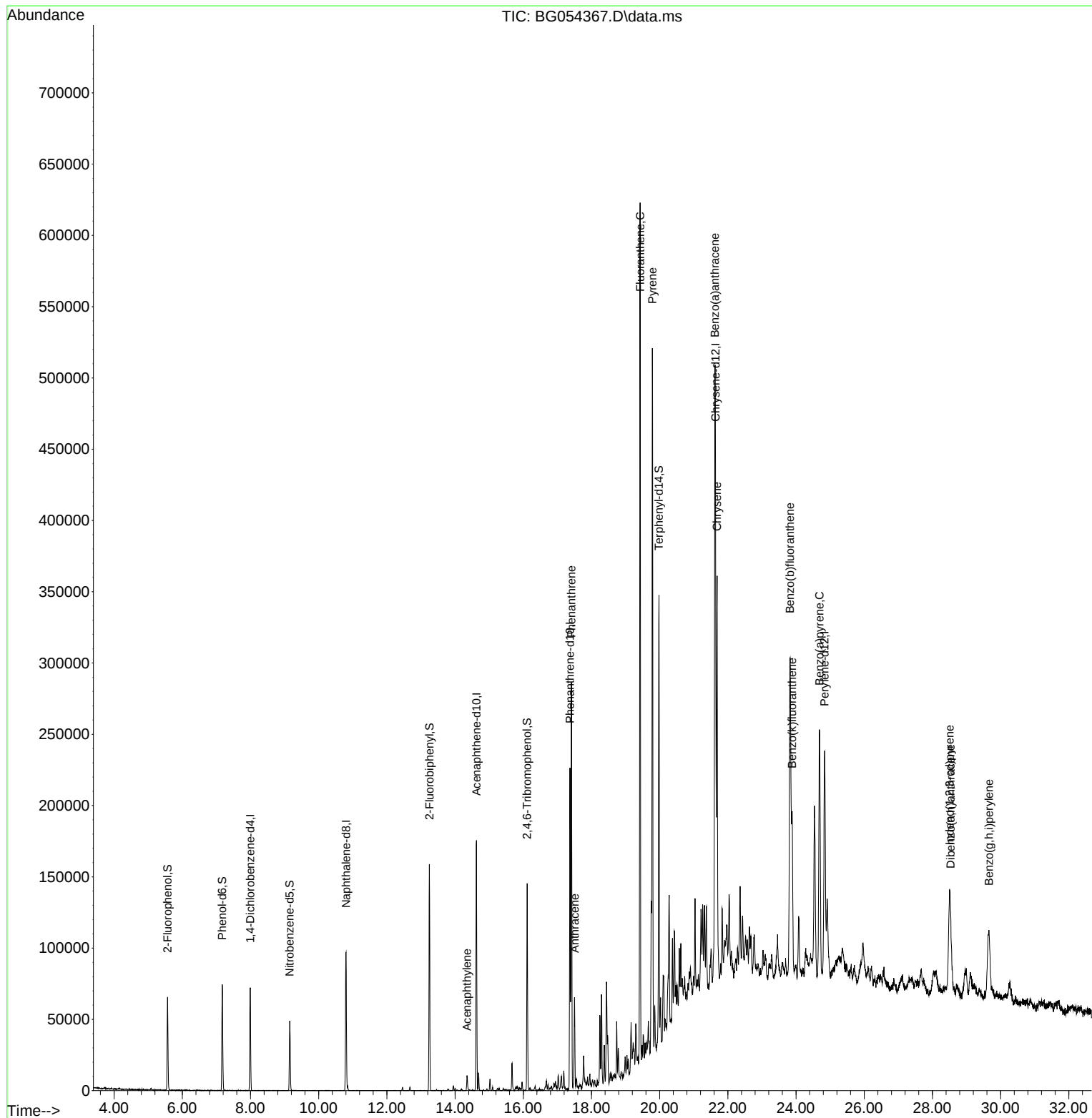
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054367.D
Acq On : 22 Jul 2022 20:03
Operator : CG/JU
Sample : N3814-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

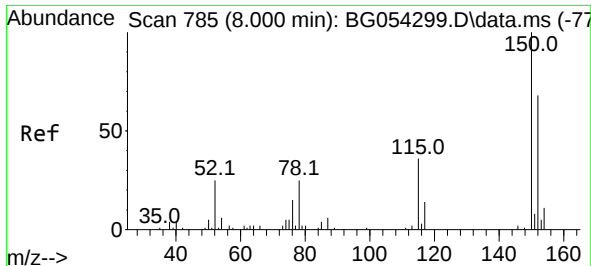
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

Quant Time: Jul 23 00:12:30 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

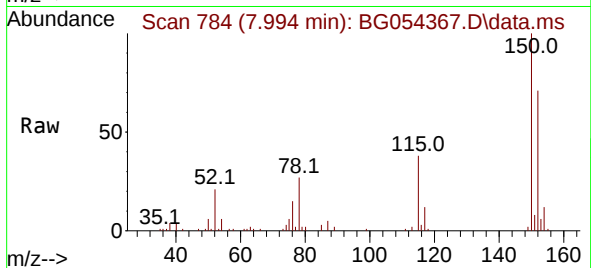
Reviewed By : Christian Giraldo 07/25/2022
Supervised By : Jagrut Upadhyay 07/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.994 min Scan# 785
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

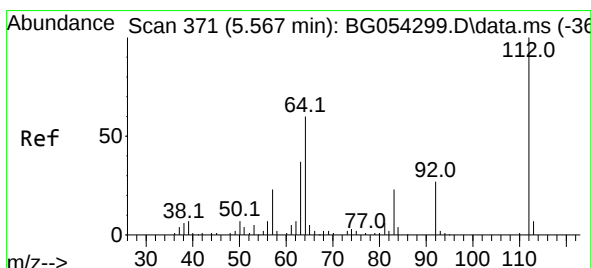
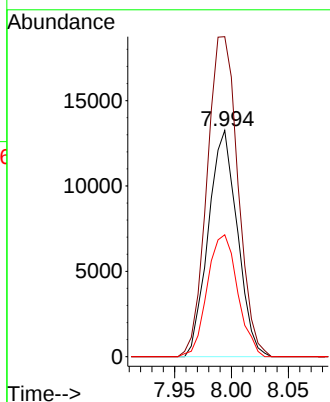
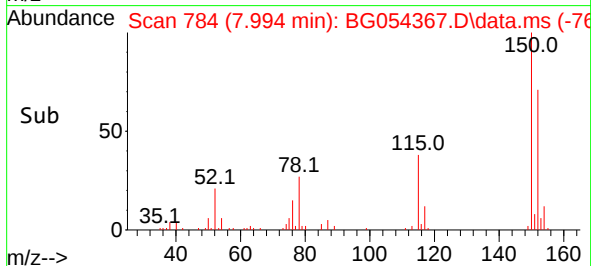
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)



Tgt Ion:152 Resp: 2353
Ion Ratio Lower Upper
152 100
150 141.4 131.6 197.4
115 53.9 50.9 76.3

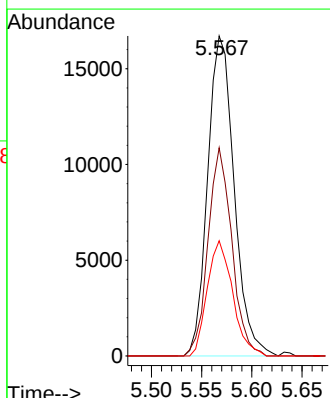
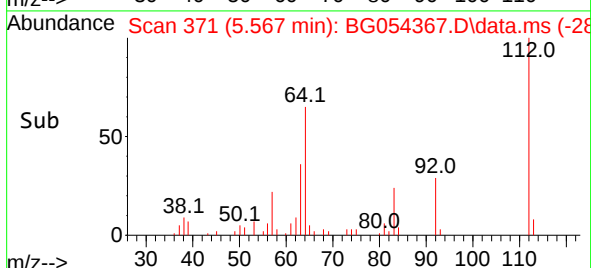
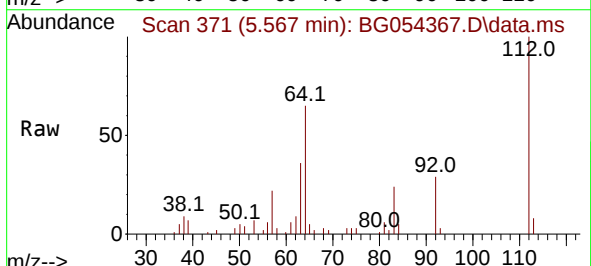
Manual Integrations
APPROVED

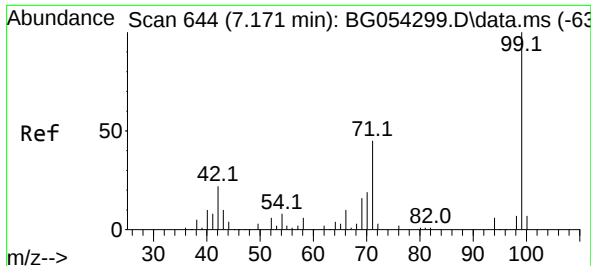
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#5
2-Fluorophenol
Concen: 27.255 ng
RT: 5.567 min Scan# 371
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

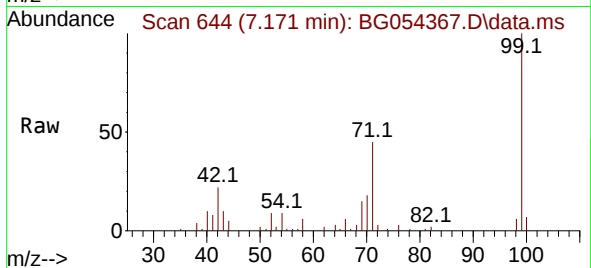
Tgt Ion:112 Resp: 30718
Ion Ratio Lower Upper
112 100
64 65.0 55.1 82.7
63 36.0 30.4 45.6





#7
Phenol-d6
Concen: 27.804 ng
RT: 7.171 min Scan# 644
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

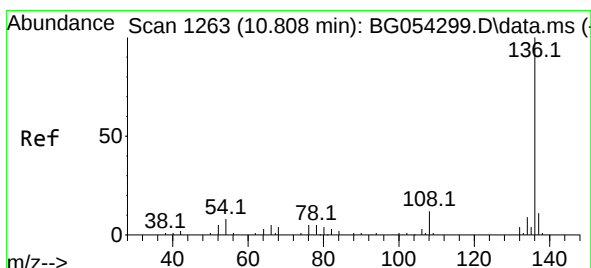
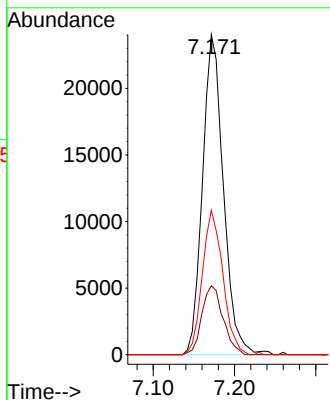
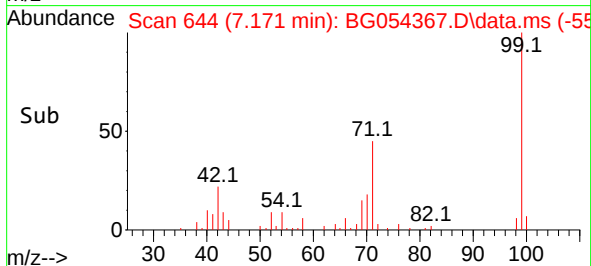
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)



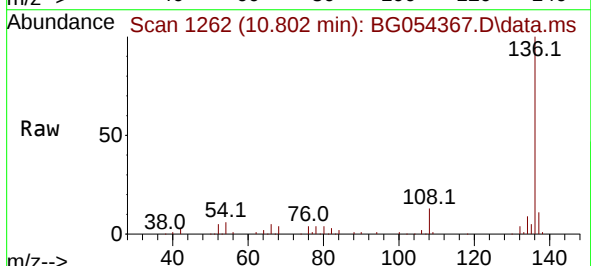
Tgt Ion: 99 Resp: 42940
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 45.1 33.8 50.8

Manual Integrations
APPROVED

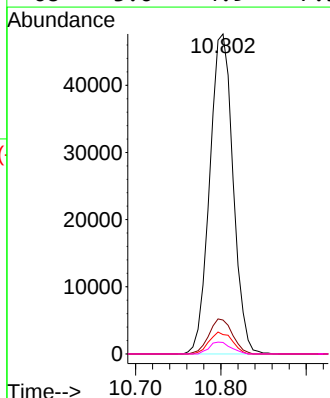
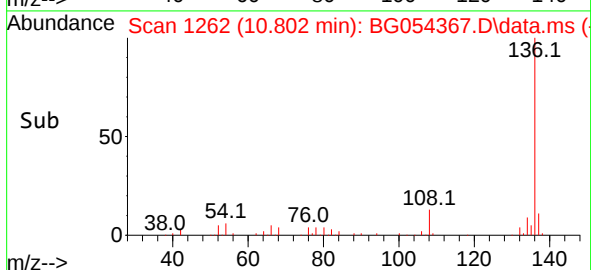
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

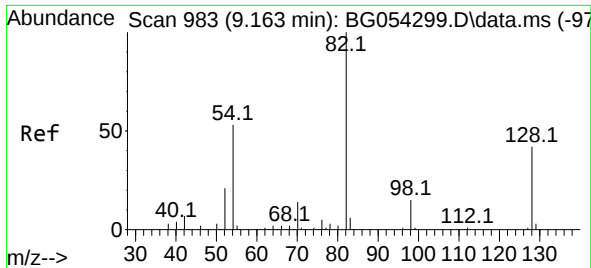


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.802 min Scan# 1262
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03



Tgt Ion:136 Resp: 90672
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.0 7.4 11.2#
68 3.6 4.9 7.3#





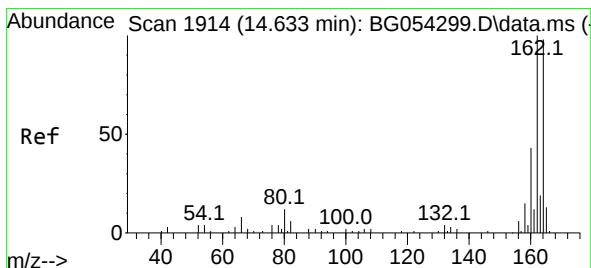
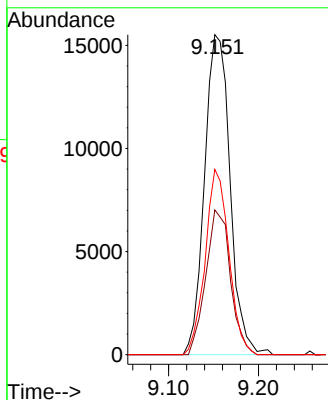
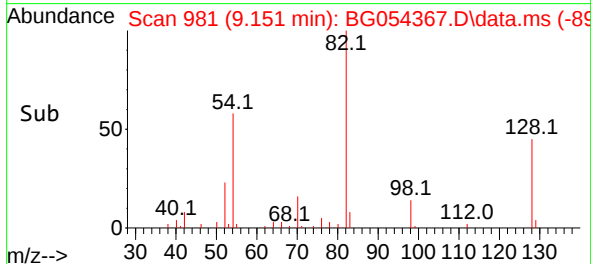
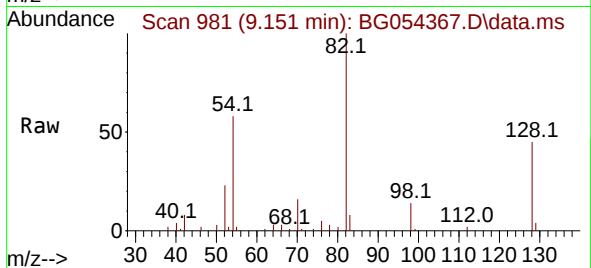
#23
Nitrobenzene-d5
Concen: 18.385 ng
RT: 9.151 min Scan# 91
Delta R.T. -0.012 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

Tgt Ion: 82 Resp: 3061
Ion Ratio Lower Upper
82 100
128 45.3 27.9 41.9
54 57.9 41.2 61.8

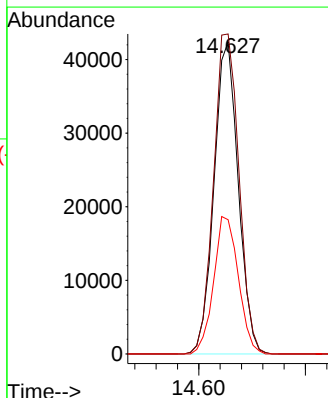
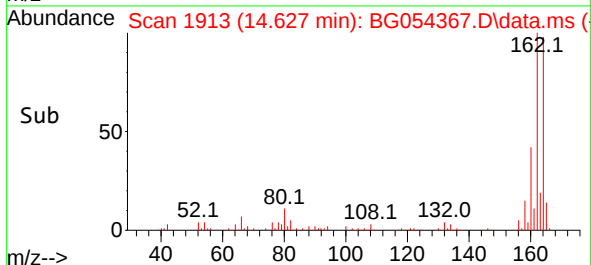
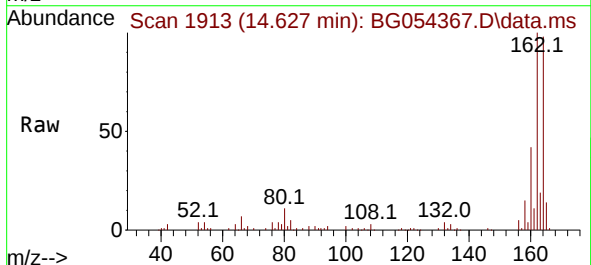
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:164 Resp: 66774
Ion Ratio Lower Upper
164 100
162 102.5 82.3 123.5
160 43.0 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 26.169 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.012 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Instrument :

BNA_G

ClientSampleId :

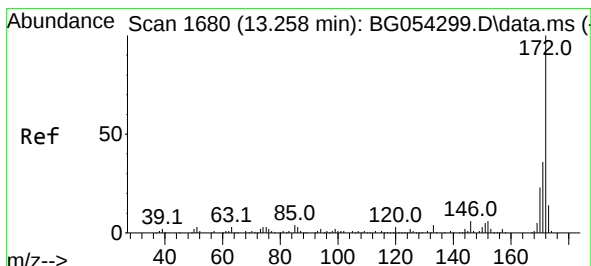
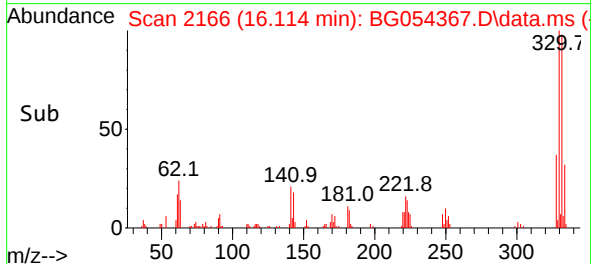
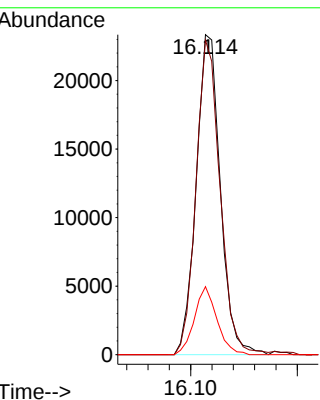
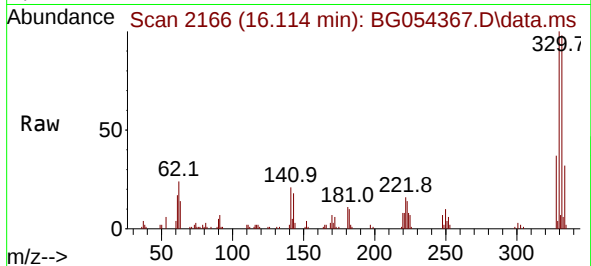
ENV-DE-1(0-5)

Tgt Ion:330 Resp: 36689
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 19.8 27.1 40.7

Manual Integrations

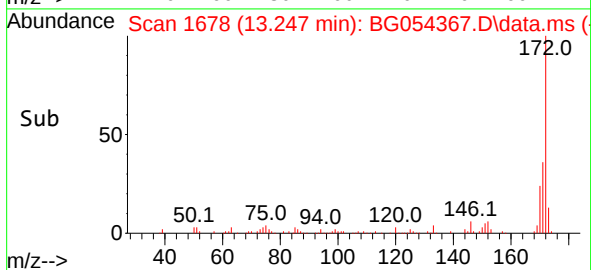
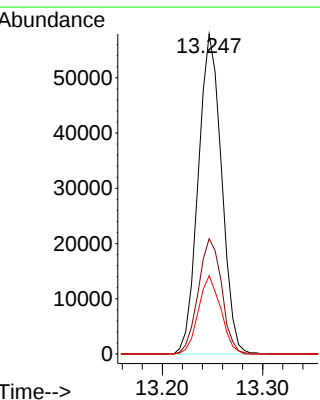
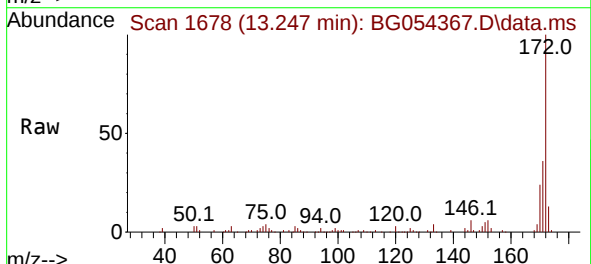
APPROVED

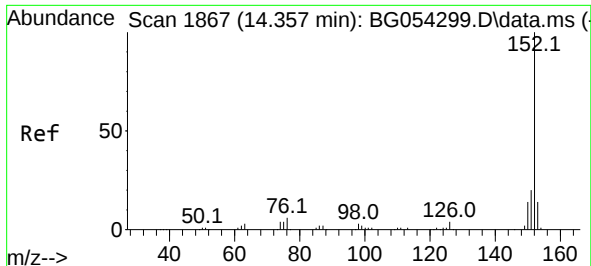
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#45
2-Fluorobiphenyl
Concen: 19.769 ng
RT: 13.247 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

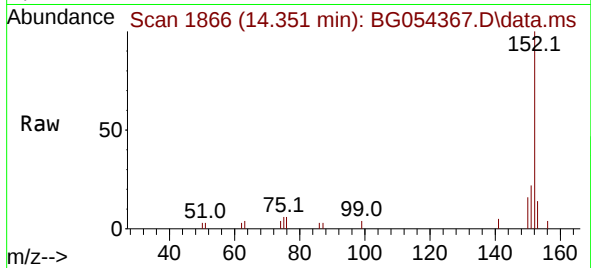
Tgt Ion:172 Resp: 93573
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.5 18.9 28.3





#49
Acenaphthylene
Concen: 2.096 ng
RT: 14.351 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

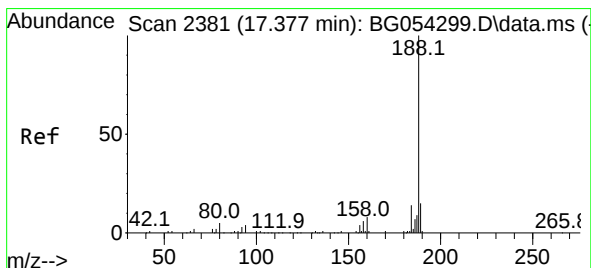
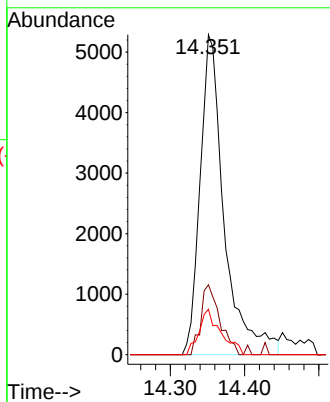
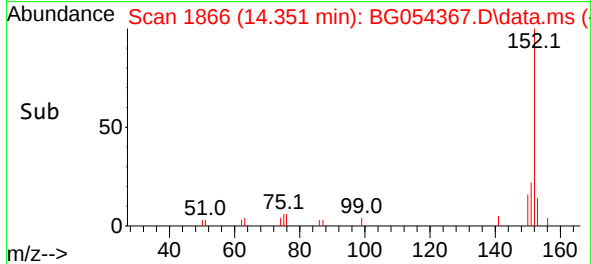
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)



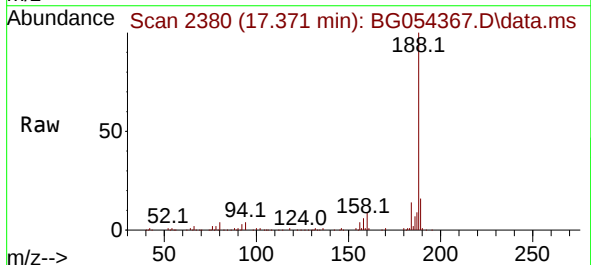
Tgt Ion:152 Resp: 1190
Ion Ratio Lower Upper
152 100
151 21.9 16.4 24.6
153 14.2 10.8 16.2

Manual Integrations
APPROVED

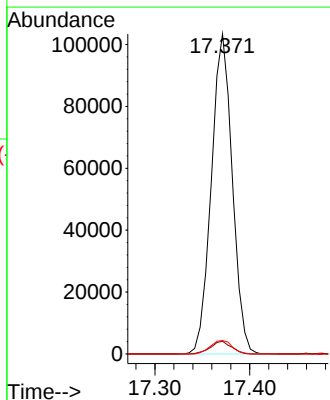
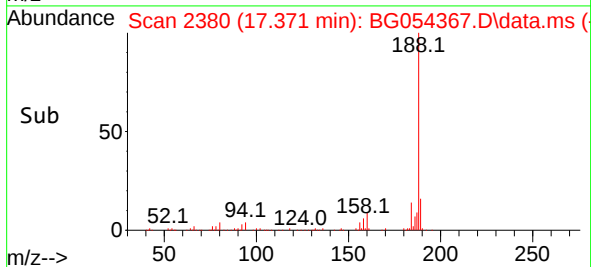
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

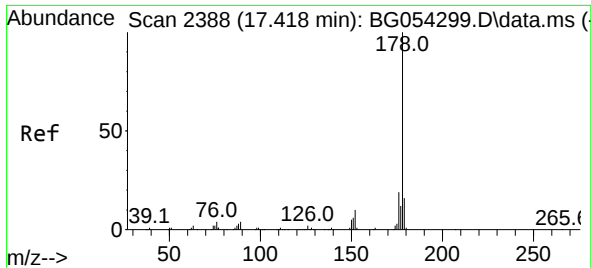


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2380
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03



Tgt Ion:188 Resp: 158523
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0#
80 4.2 6.8 10.2#





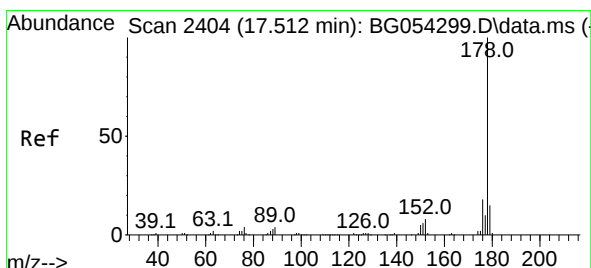
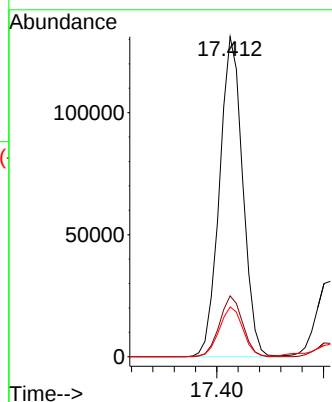
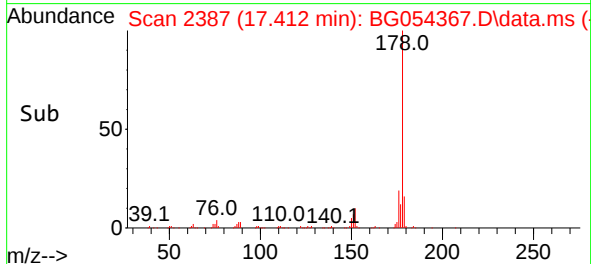
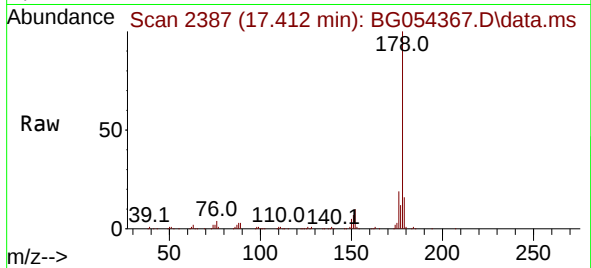
#71
Phenanthrene
Concen: 25.056 ng
RT: 17.412 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

Tgt Ion:178 Resp: 197799
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 15.6 12.1 18.1

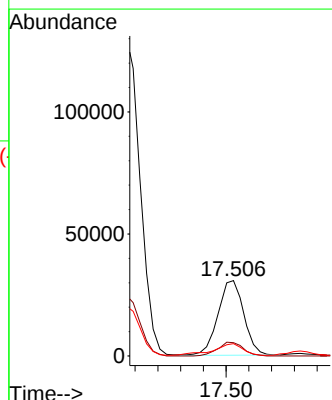
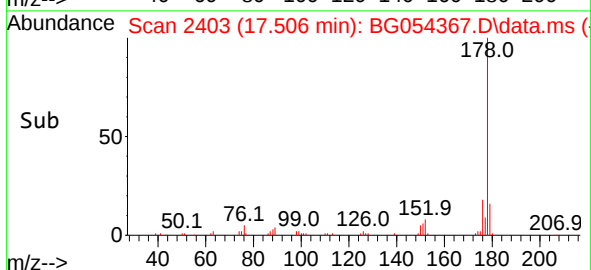
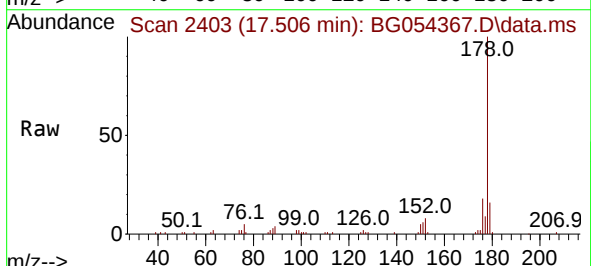
Manual Integrations
APPROVED

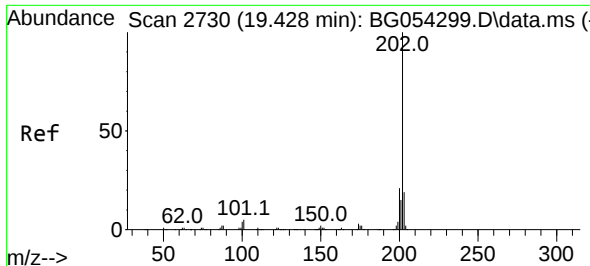
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#72
Anthracene
Concen: 6.242 ng
RT: 17.506 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

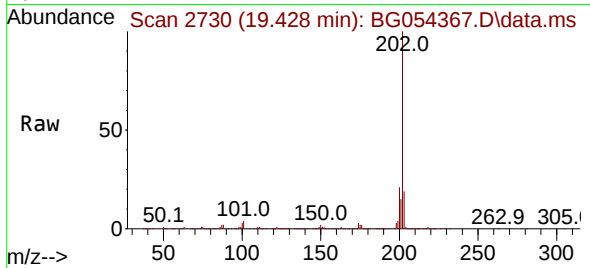
Tgt Ion:178 Resp: 48356
Ion Ratio Lower Upper
178 100
176 17.6 15.2 22.8
179 16.3 13.0 19.4





#75
Fluoranthene
Concen: 39.351 ng
RT: 19.428 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

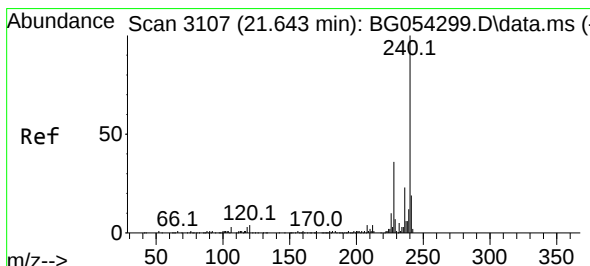
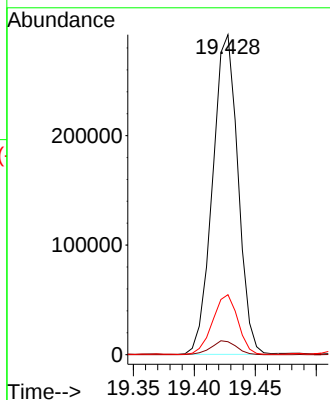
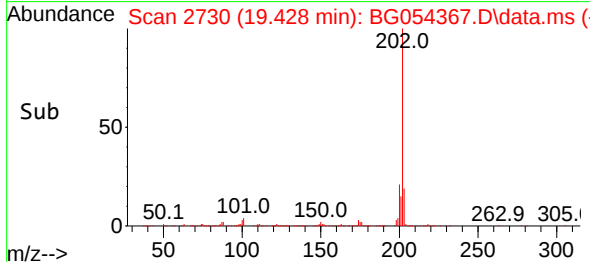
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)



Tgt Ion:202 Resp: 423472
Ion Ratio Lower Upper
202 100
101 4.0 0.0 26.9
203 18.8 0.0 37.2

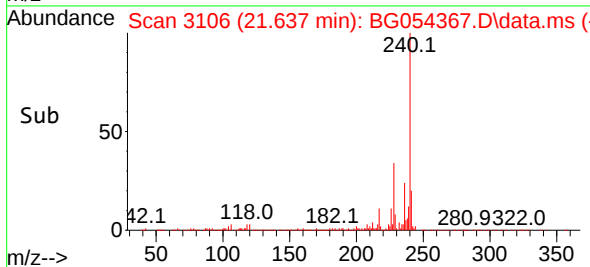
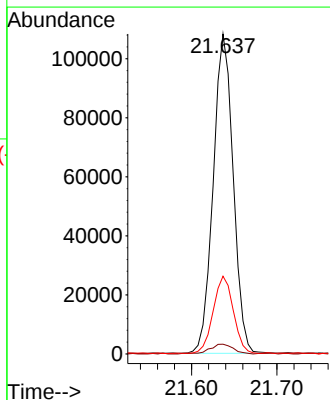
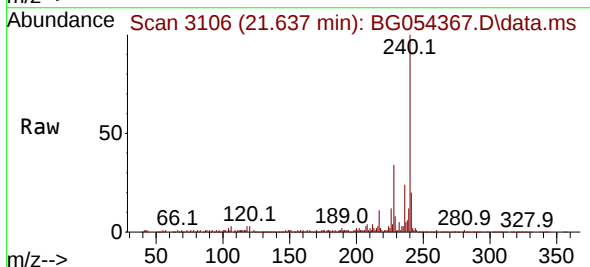
Manual Integrations
APPROVED

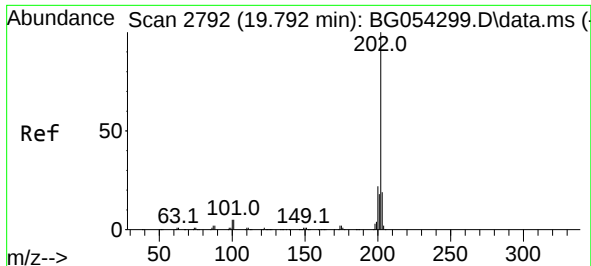
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

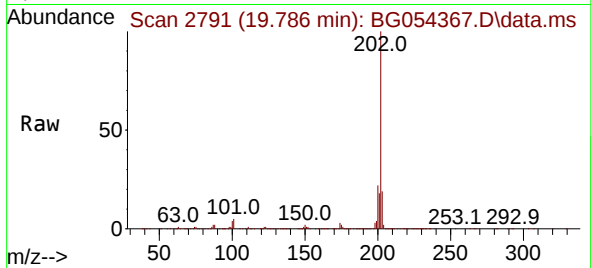
Tgt Ion:240 Resp: 176103
Ion Ratio Lower Upper
240 100
120 3.1 4.6 7.0#
236 24.3 20.2 30.4





#78
Pyrene
Concen: 36.618 ng
RT: 19.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

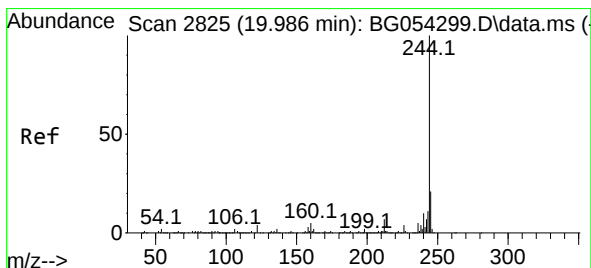
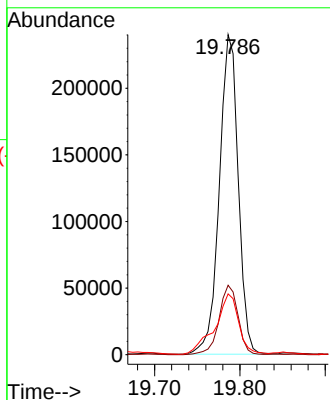
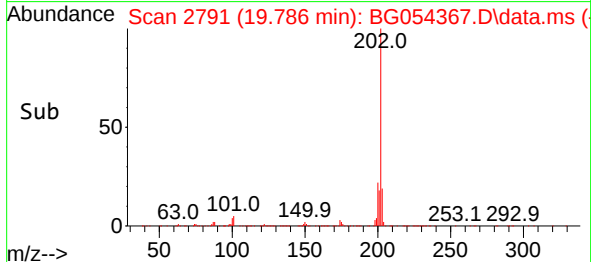
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)



Tgt Ion:202 Resp: 370010
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 19.0 14.6 21.8

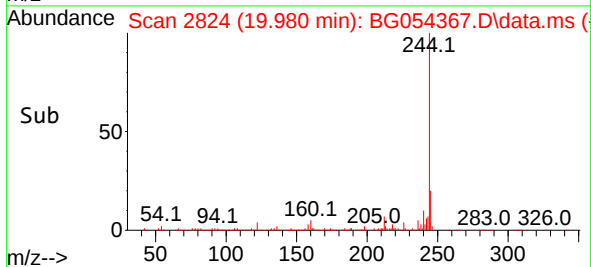
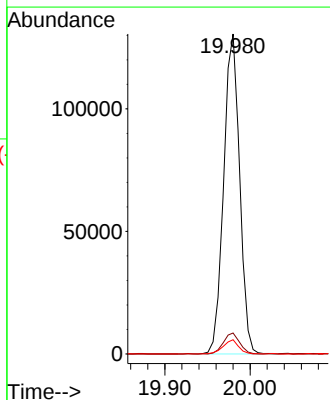
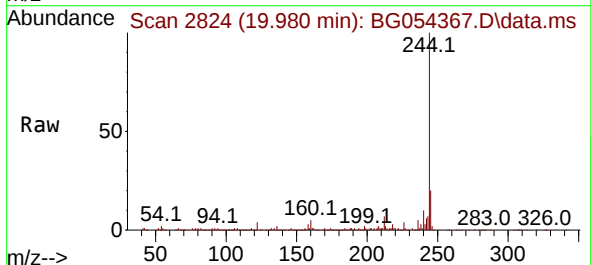
Manual Integrations
APPROVED

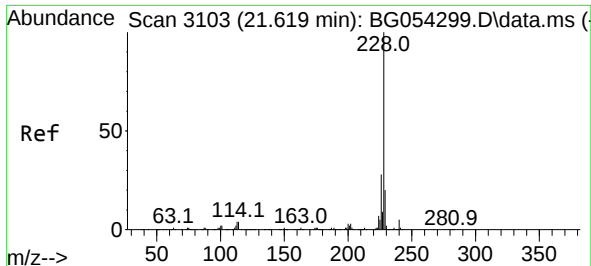
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#79
Terphenyl-d14
Concen: 19.170 ng
RT: 19.980 min Scan# 2824
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

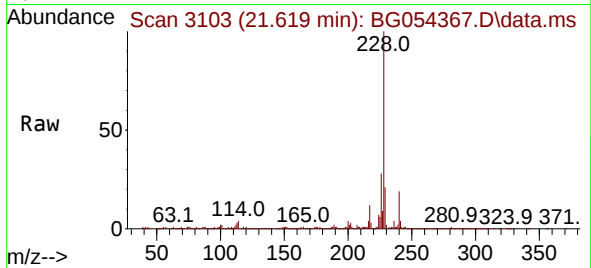
Tgt Ion:244 Resp: 170172
Ion Ratio Lower Upper
244 100
212 6.6 6.5 9.7
122 4.5 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 23.249 ng
RT: 21.619 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

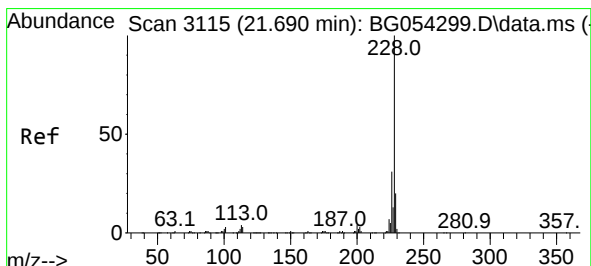
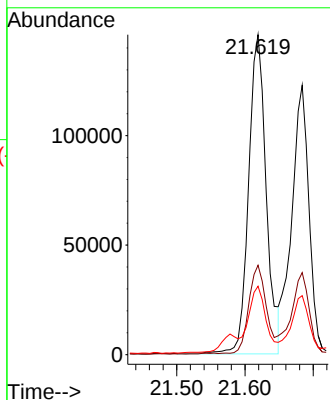
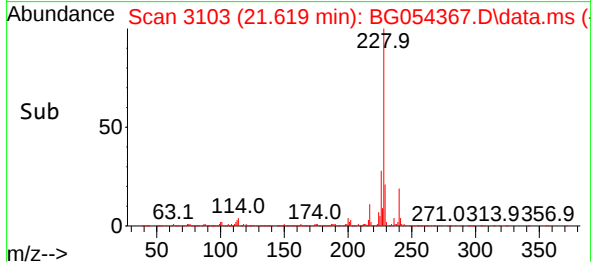
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)



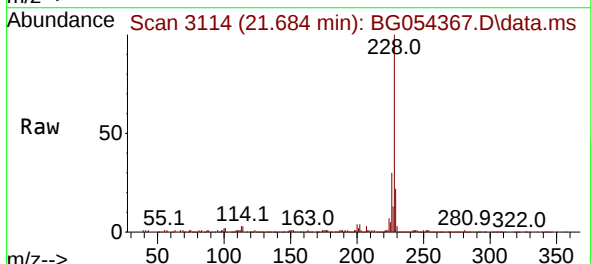
Tgt Ion:228 Resp: 25989
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 21.4 16.2 24.2

Manual Integrations
APPROVED

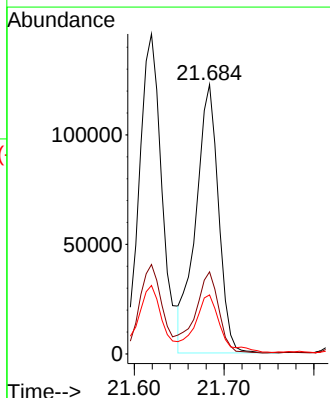
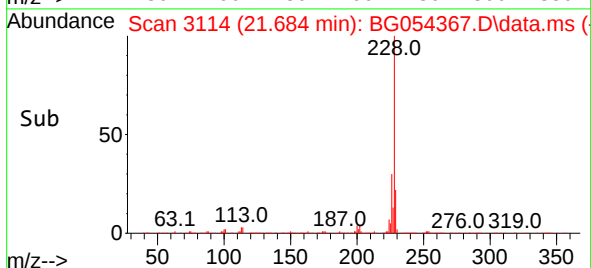
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

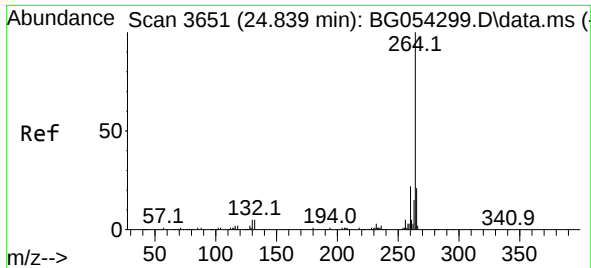


#83
Chrysene
Concen: 20.476 ng
RT: 21.684 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03



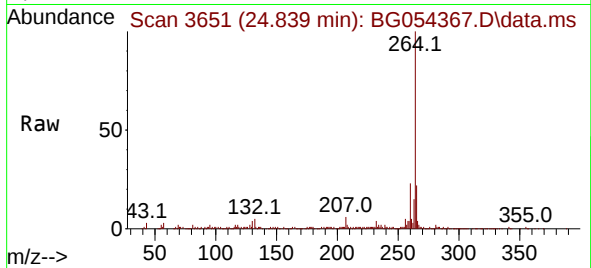
Tgt Ion:228 Resp: 216258
Ion Ratio Lower Upper
228 100
226 30.5 23.4 35.2
229 21.9 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.839 min Scan# 3651
 Delta R.T. 0.000 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03

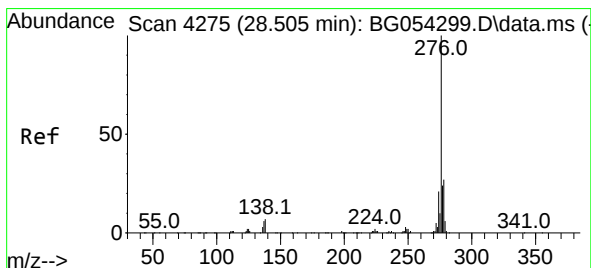
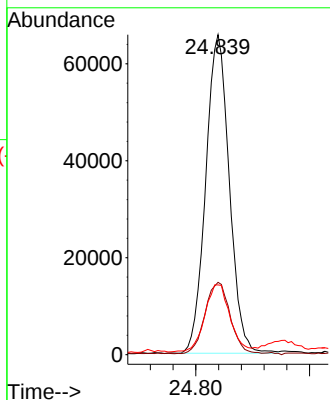
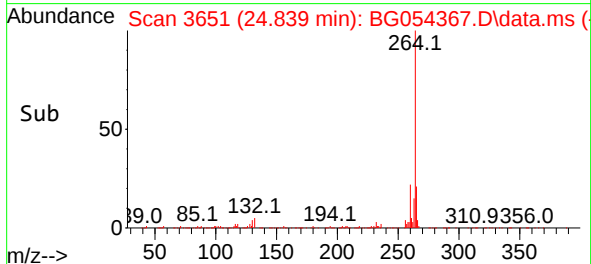
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)



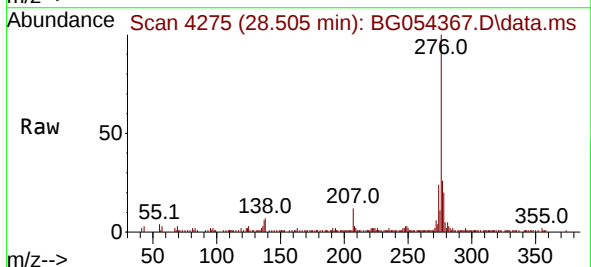
Tgt Ion:264 Resp: 18929
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.6
 265 21.8 17.4 26.2

Manual Integrations
 APPROVED

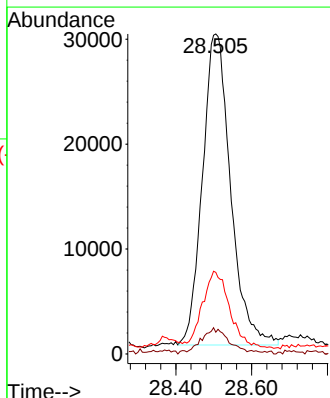
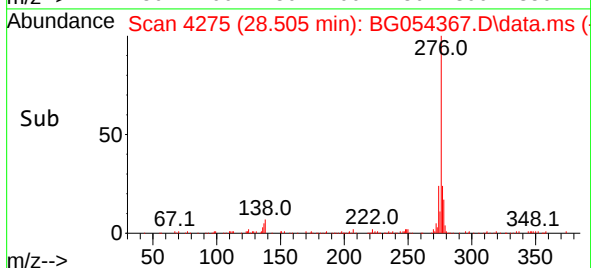
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022

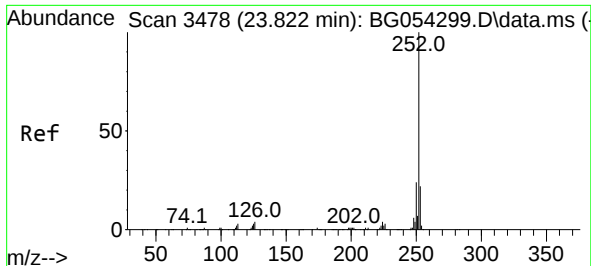


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.621 ng
 RT: 28.505 min Scan# 4275
 Delta R.T. 0.000 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03



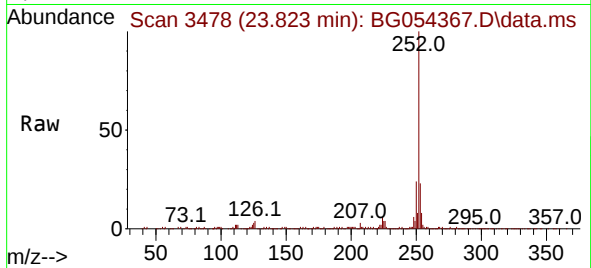
Tgt Ion:276 Resp: 152944
 Ion Ratio Lower Upper
 276 100
 138 6.7 5.0 7.4
 277 24.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 28.516 ng
RT: 23.823 min Scan# 3478
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

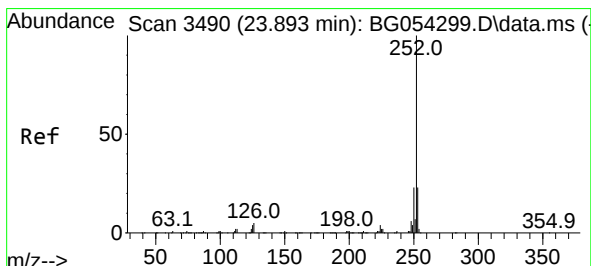
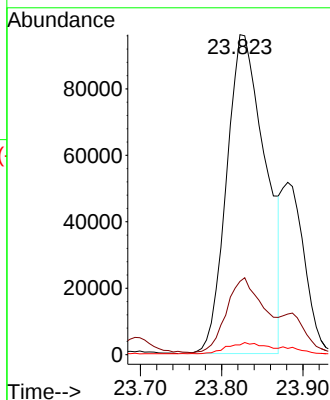
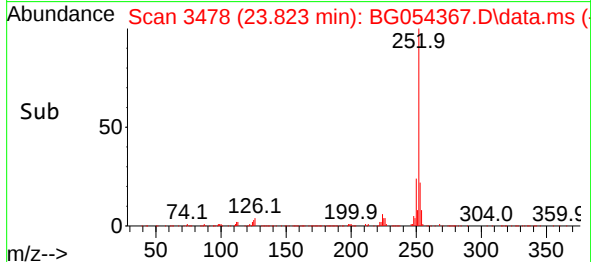
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)



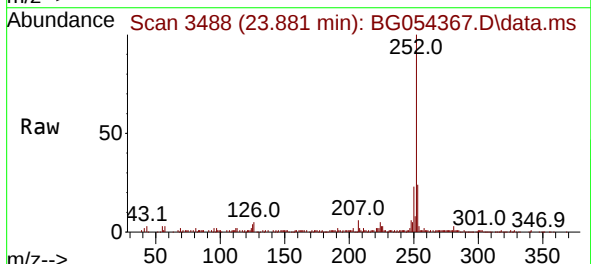
Tgt Ion:252 Resp: 319228
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 3.0 4.6 6.8

Manual Integrations
APPROVED

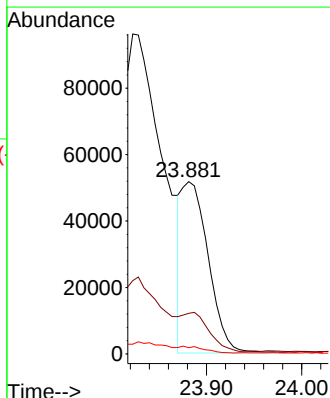
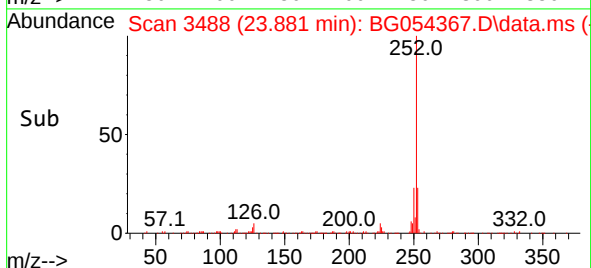
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

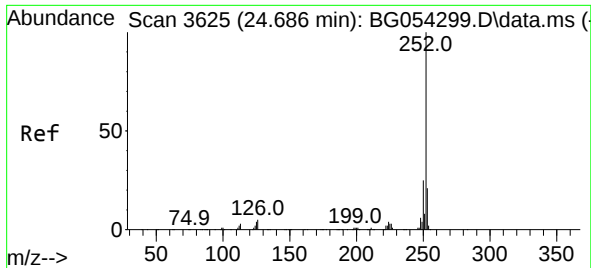


#89
Benzo(k)fluoranthene
Concen: 9.054 ng m
RT: 23.881 min Scan# 3488
Delta R.T. -0.012 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03



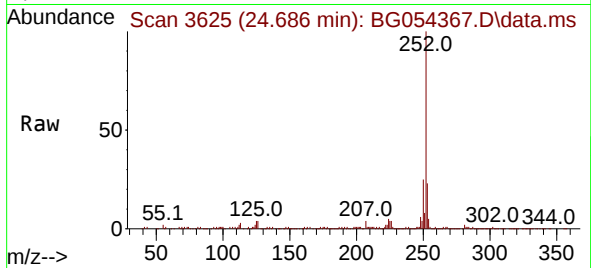
Tgt Ion:252 Resp: 100875
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 3.6 4.8 7.2





#90
Benzo(a)pyrene
Concen: 24.226 ng m
RT: 24.686 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

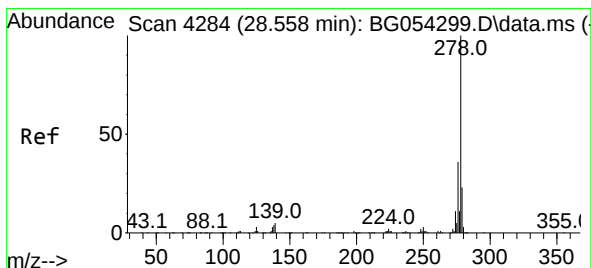
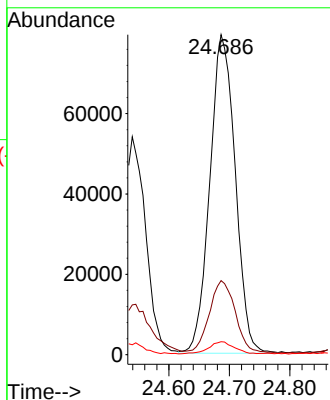
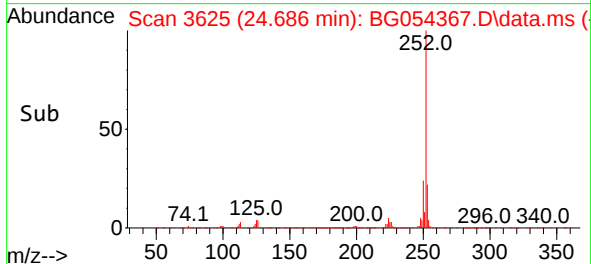
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)



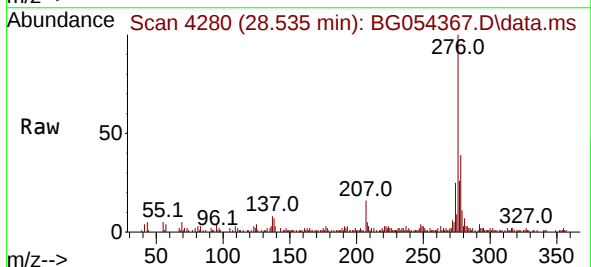
Tgt Ion:252 Resp: 23160
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 4.1 4.3 6.5

Manual Integrations
APPROVED

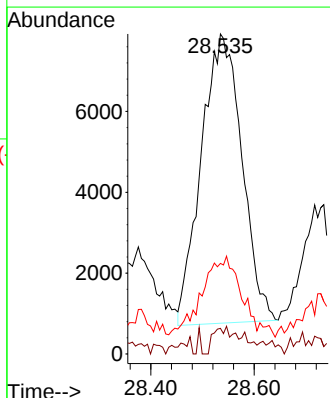
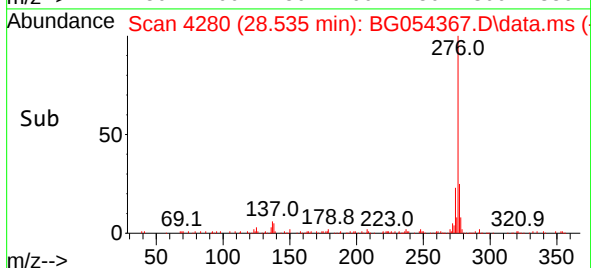
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

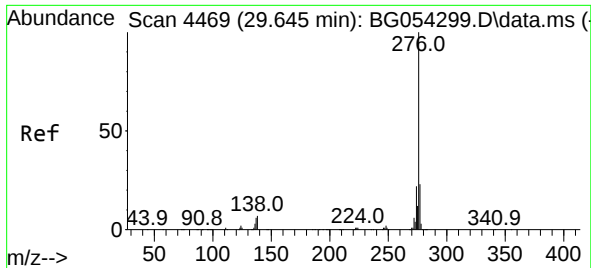


#91
Dibenzo(a,h)anthracene
Concen: 3.298 ng
RT: 28.535 min Scan# 4280
Delta R.T. -0.023 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03



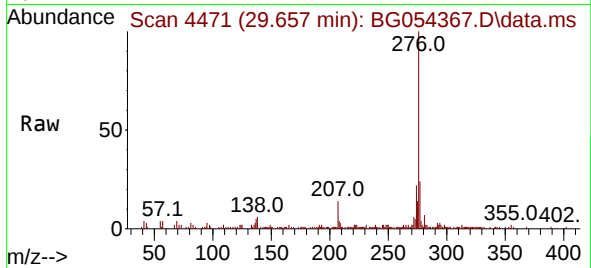
Tgt Ion:278 Resp: 39056
Ion Ratio Lower Upper
278 100
139 8.0 7.2 10.8
279 28.3 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 11.957 ng
 RT: 29.657 min Scan# 44
 Delta R.T. 0.012 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)



Tgt Ion:276 Resp: 139745
 Ion Ratio Lower Upper
 276 100
 277 23.7 17.3 25.9
 138 5.7 9.6 14.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022

