

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054584.D
 Acq On : 10 Aug 2022 11:59
 Operator : CG/JU
 Sample : N3962-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-190

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022

Quant Time: Aug 10 14:25:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	18882	20.000	ng	# 0.00
21) Naphthalene-d8	10.779	136	70587	20.000	ng	# 0.00
39) Acenaphthene-d10	14.610	164	51803	20.000	ng	0.00
64) Phenanthrene-d10	17.360	188	130761	20.000	ng	# 0.00
76) Chrysene-d12	21.625	240	151492	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	159698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	99498	110.020	ng	0.00
7) Phenol-d6	7.177	99	128079	103.356	ng	0.00
23) Nitrobenzene-d5	9.140	82	87464	67.477	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	99493	91.473	ng	0.00
45) 2-Fluorobiphenyl	13.229	172	248216	67.594	ng	0.00
79) Terphenyl-d14	19.968	244	521250	68.258	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.407	178	19328	2.968	ng	96
75) Fluoranthene	19.416	202	49470	5.573	ng	96
78) Pyrene	19.780	202	70957	8.163	ng	99
81) Benzo(a)anthracene	21.608	228	40603m	4.222	ng	
83) Chrysene	21.672	228	45702	5.030	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.517	276	36559	3.009	ng	# 94
88) Benzo(b)fluoranthene	23.823	252	57455m	6.084	ng	
90) Benzo(a)pyrene	24.686	252	46544	5.771	ng	# 99
92) Benzo(g,h,i)perylene	29.669	276	39720	4.029	ng	# 90

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

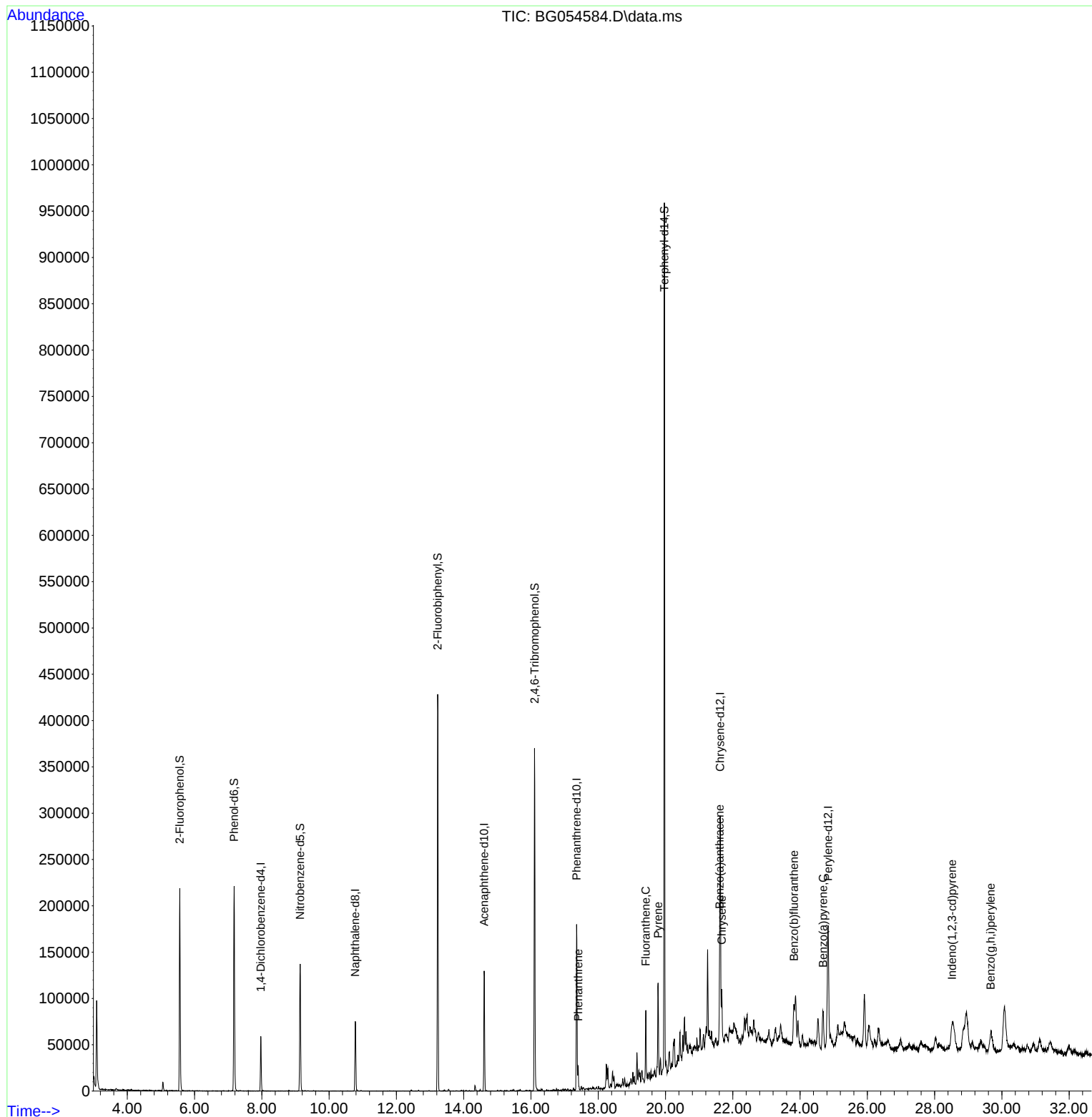
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
Data File : BG054584.D
Acq On : 10 Aug 2022 11:59
Operator : CG/JU
Sample : N3962-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

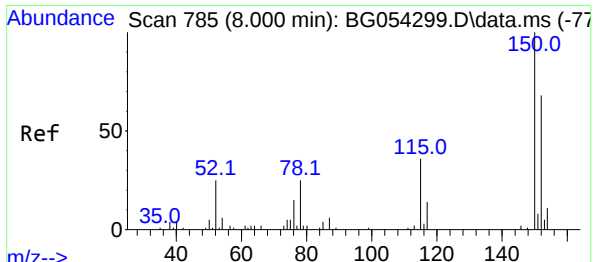
Instrument :
BNA_G
ClientSampleId :
RVE-190

Quant Time: Aug 10 14:25:05 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

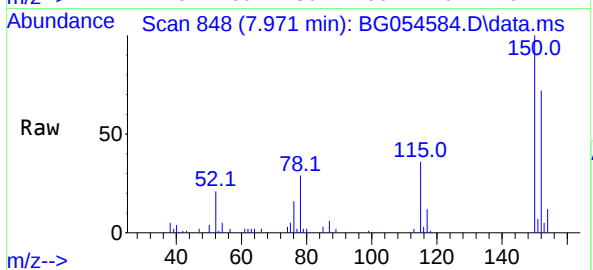
Reviewed By : Christian Giraldo 08/11/2022
Supervised By : Jagrut Upadhyay 08/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.971 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

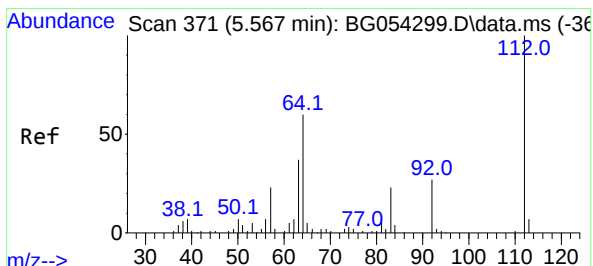
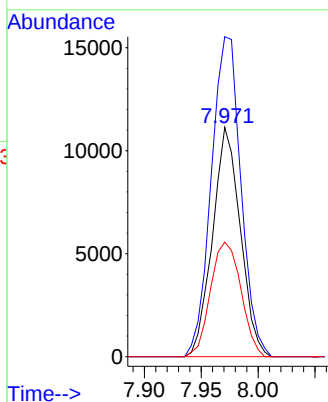
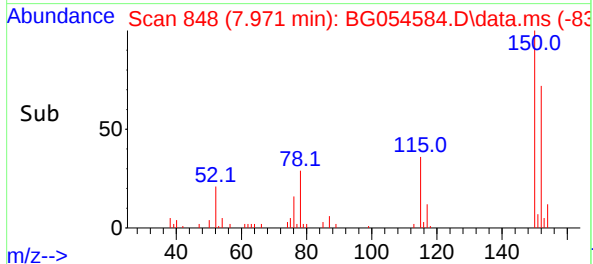
Instrument :
BNA_G
ClientSampleId :
RVE-190



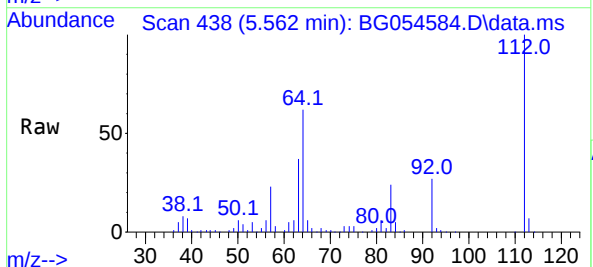
Tgt Ion:152 Resp: 1888
Ion Ratio Lower Upper
152 100
150 139.6 131.6 197.4
115 50.0 50.9 76.3

Manual Integrations
APPROVED

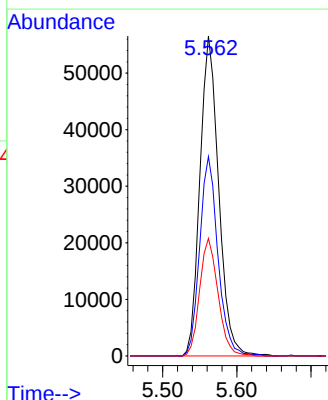
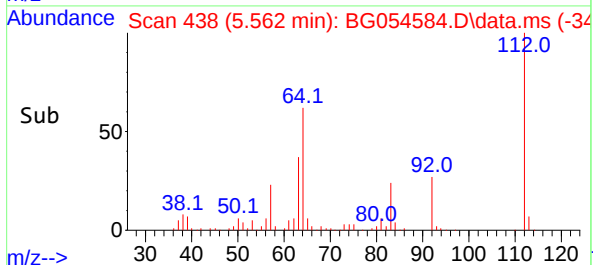
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

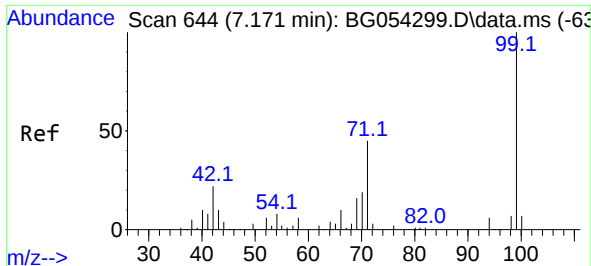


#5
2-Fluorophenol
Concen: 110.020 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59



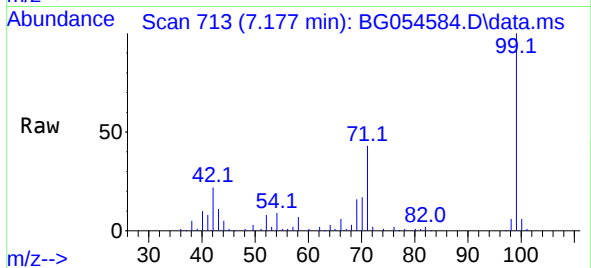
Tgt Ion:112 Resp: 99498
Ion Ratio Lower Upper
112 100
64 62.3 55.1 82.7
63 36.8 30.4 45.6





#7
Phenol-d6
Concen: 103.356 ng
RT: 7.177 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

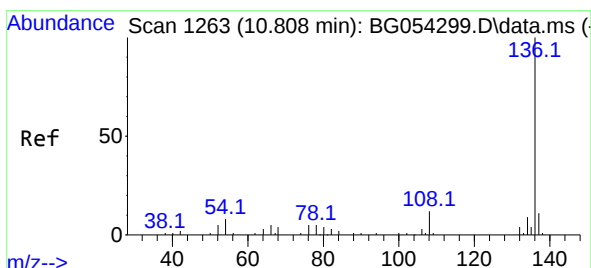
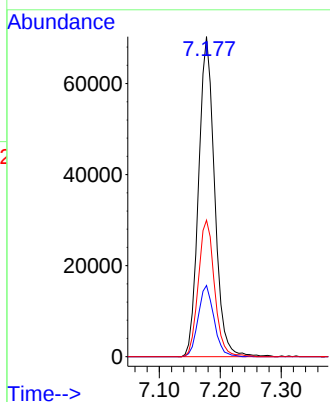
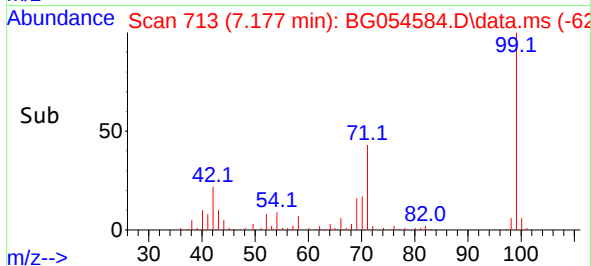
Instrument :
BNA_G
ClientSampleId :
RVE-190



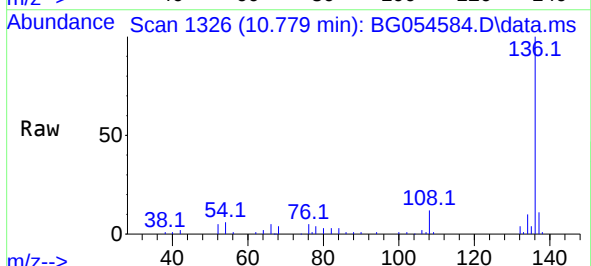
Tgt Ion: 99 Resp: 128079
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 42.7 33.8 50.8

Manual Integrations
APPROVED

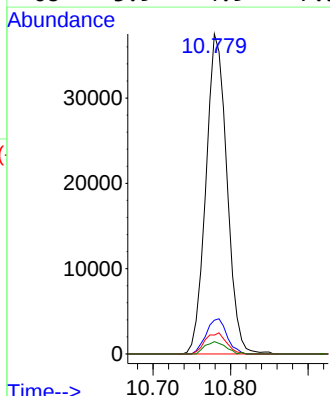
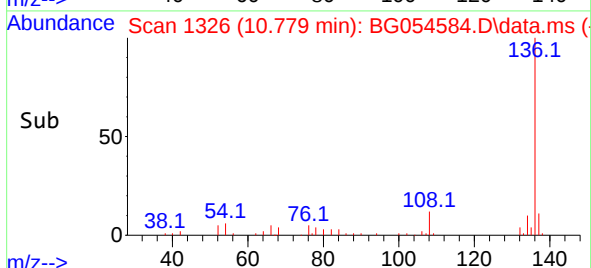
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

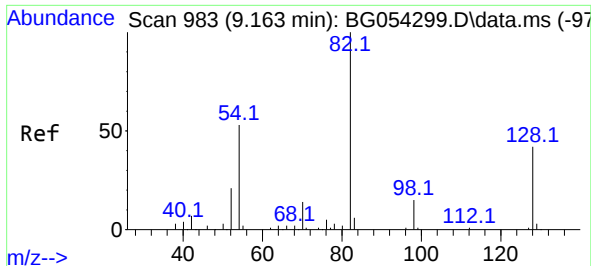


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.779 min Scan# 1326
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59



Tgt Ion:136 Resp: 70587
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 5.9 7.4 11.2#
68 3.9 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 67.477 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Instrument :

BNA_G

ClientSampleId :

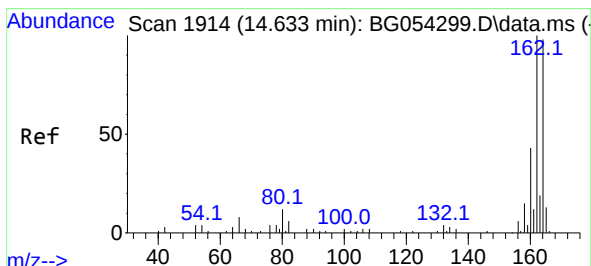
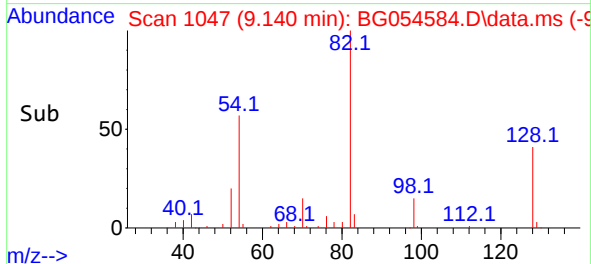
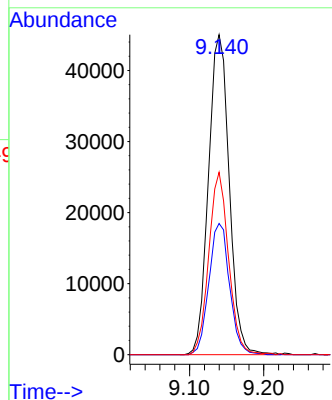
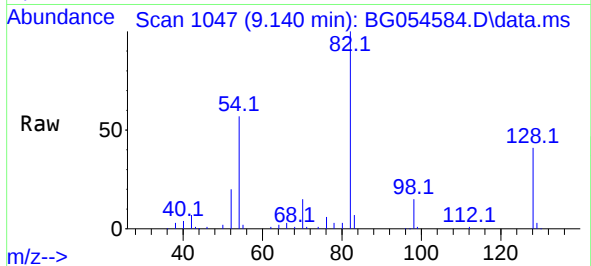
RVE-190

Tgt Ion: 82 Resp: 87464
Ion Ratio Lower Upper
82 100
128 41.0 27.9 41.9
54 57.0 41.2 61.8

Manual Integrations

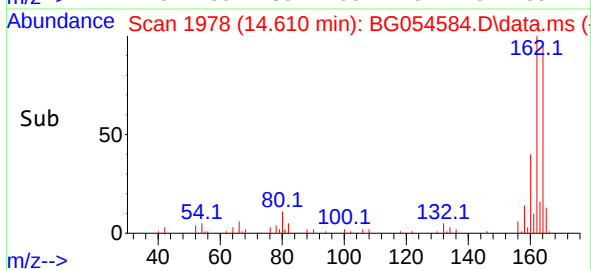
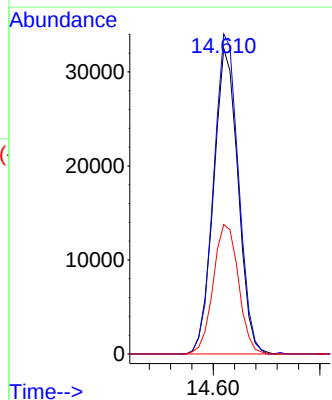
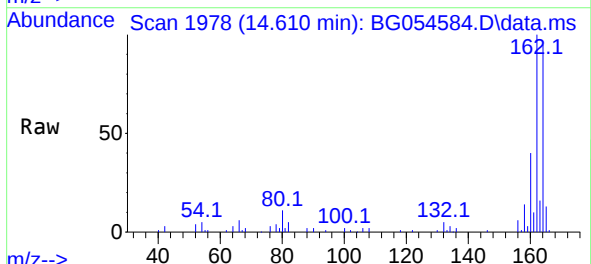
APPROVED

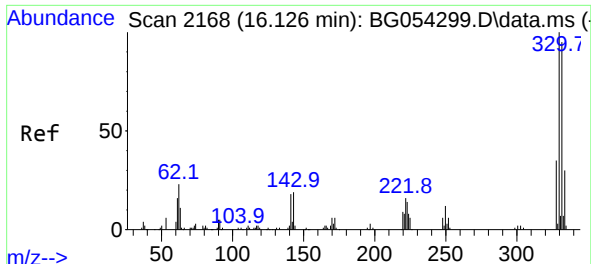
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1978
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:164 Resp: 51803
Ion Ratio Lower Upper
164 100
162 104.8 82.3 123.5
160 42.4 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 91.473 ng
RT: 16.108 min Scan# 2168
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Instrument :

BNA_G

ClientSampleId :

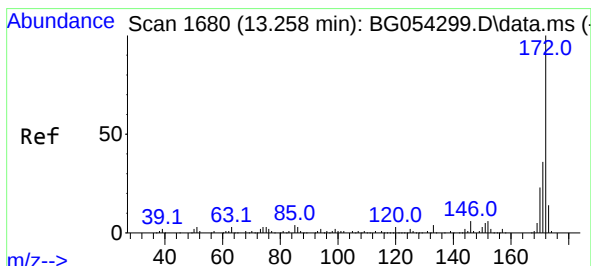
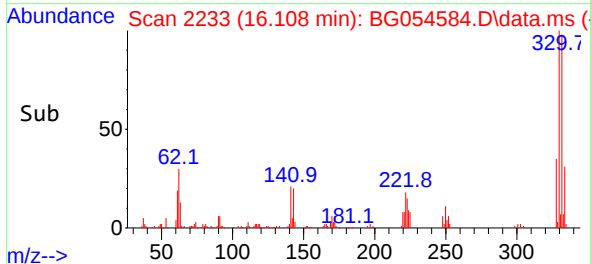
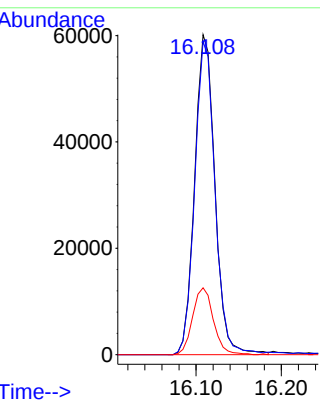
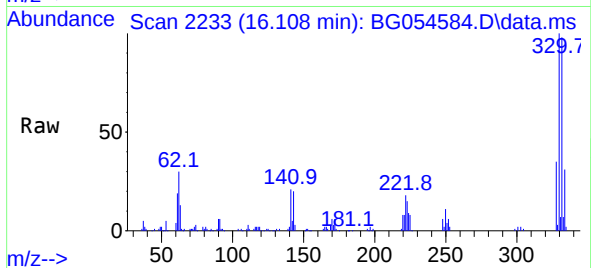
RVE-190

Tgt Ion:330 Resp: 9949
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 21.4 27.1 40.7

Manual Integrations

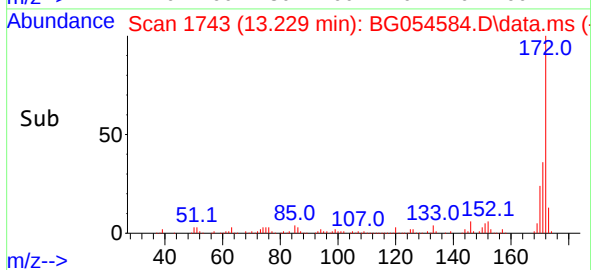
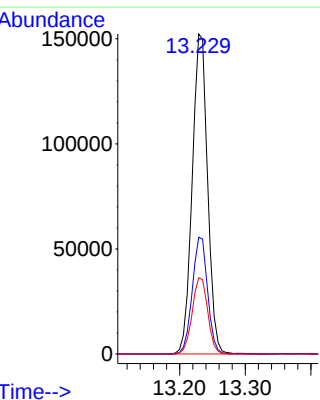
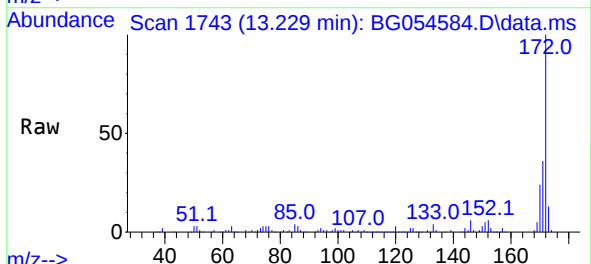
APPROVED

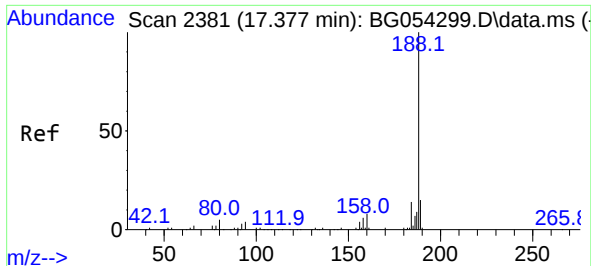
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#45
2-Fluorobiphenyl
Concen: 67.594 ng
RT: 13.229 min Scan# 1743
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

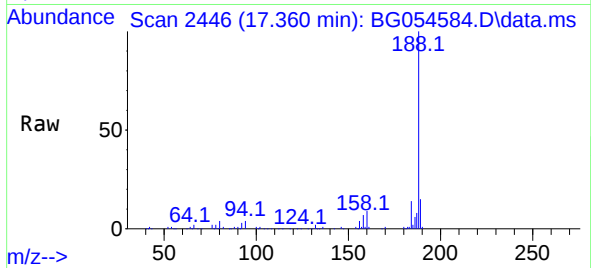
Tgt Ion:172 Resp: 248216
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 23.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.360 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

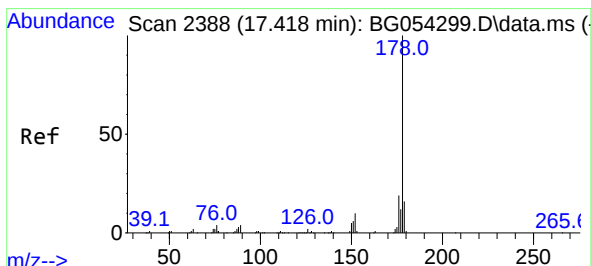
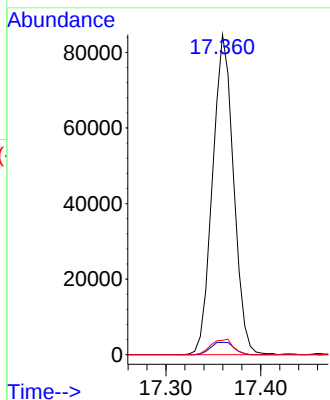
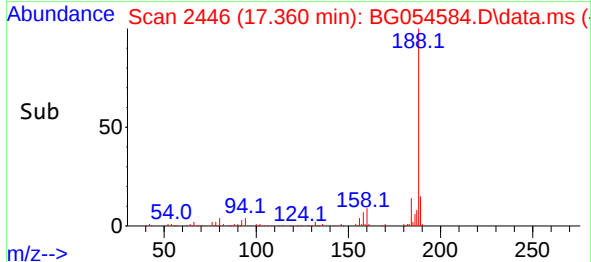
Instrument :
BNA_G
ClientSampleId :
RVE-190



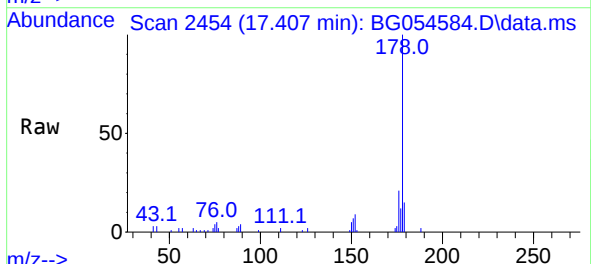
Tgt Ion:188 Resp: 13076
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0
80 4.5 6.8 10.2

Manual Integrations
APPROVED

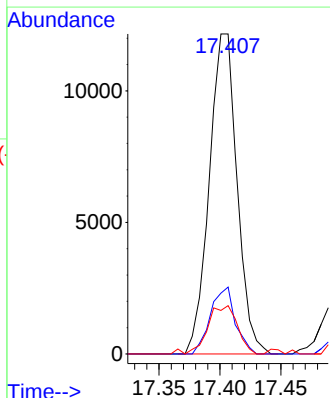
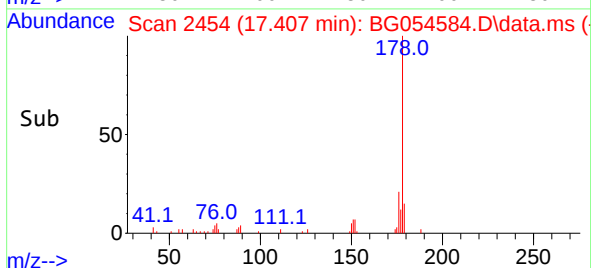
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

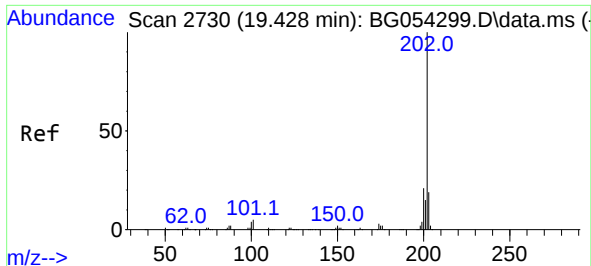


#71
Phenanthrene
Concen: 2.968 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59



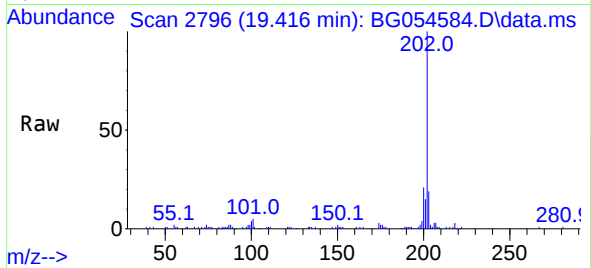
Tgt Ion:178 Resp: 19328
Ion Ratio Lower Upper
178 100
176 20.9 14.1 21.1
179 15.1 12.1 18.1





#75
Fluoranthene
Concen: 5.573 ng
RT: 19.416 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

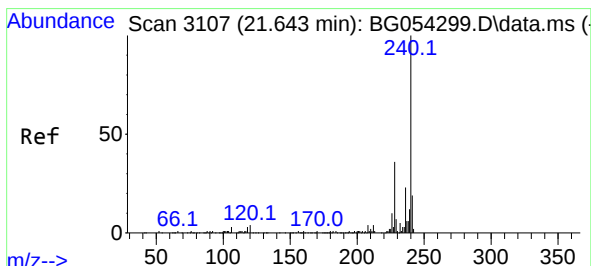
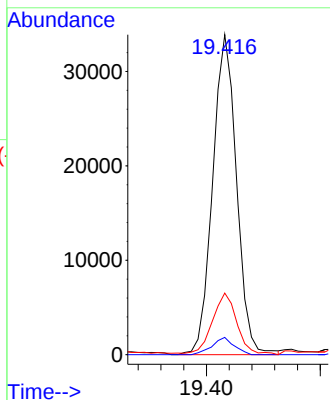
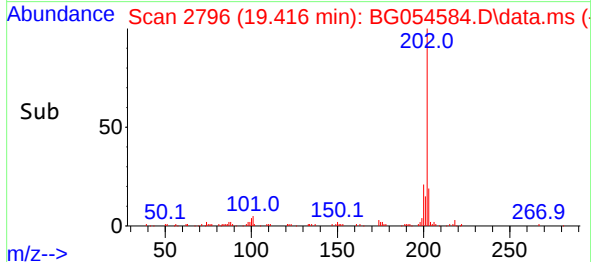
Instrument :
BNA_G
ClientSampleId :
RVE-190



Tgt Ion:202 Resp: 49470
Ion Ratio Lower Upper
202 100
101 6.6 0.0 26.9
203 19.2 0.0 37.2

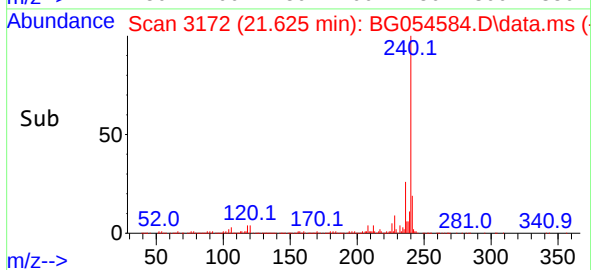
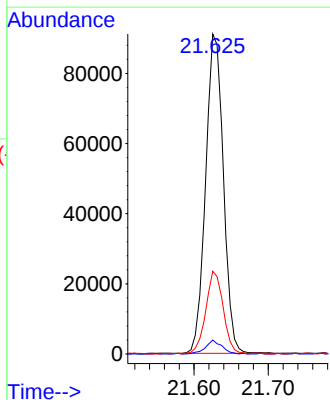
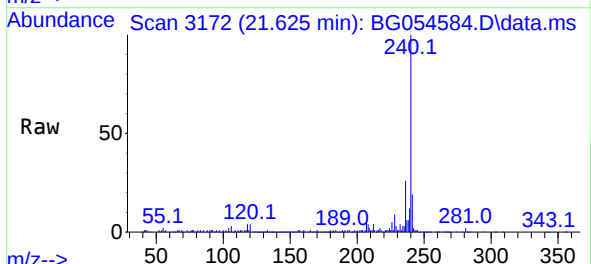
Manual Integrations
APPROVED

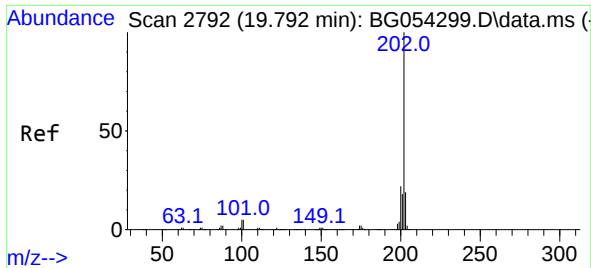
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.625 min Scan# 3172
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:240 Resp: 151492
Ion Ratio Lower Upper
240 100
120 4.4 4.6 7.0#
236 25.8 20.2 30.4





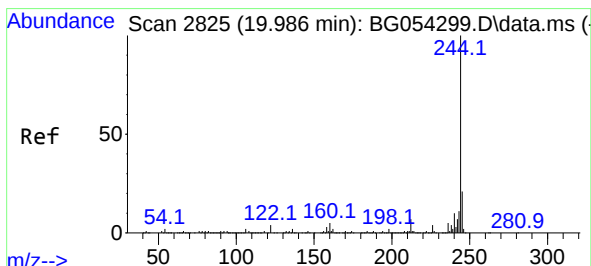
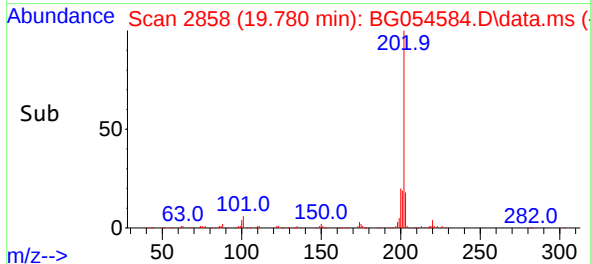
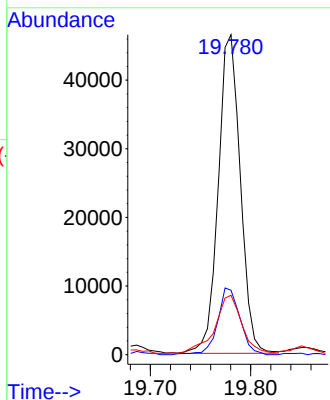
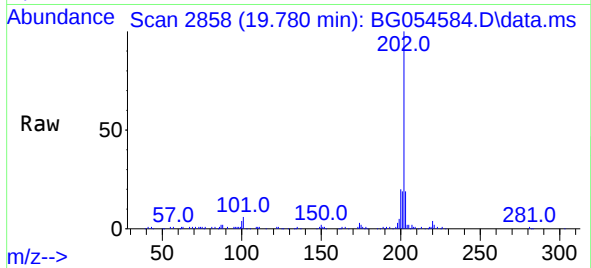
#78
Pyrene
Concen: 8.163 ng
RT: 19.780 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Instrument :
BNA_G
ClientSampleId :
RVE-190

Tgt Ion:202 Resp: 7095
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 18.6 14.6 21.8

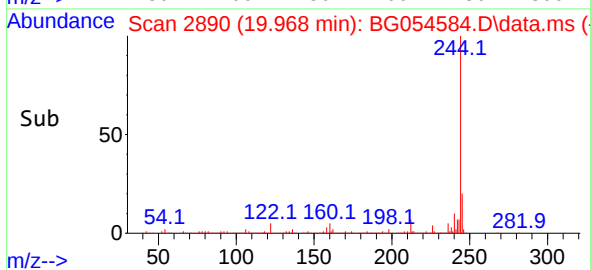
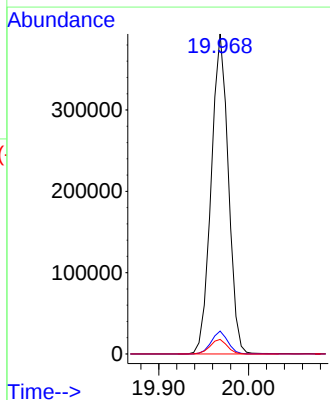
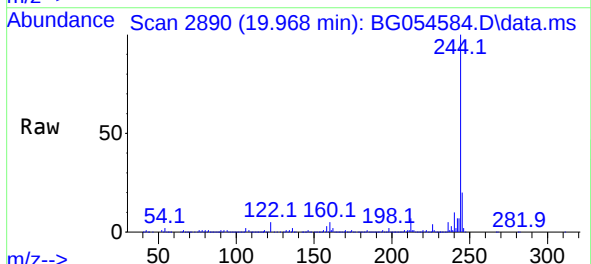
Manual Integrations
APPROVED

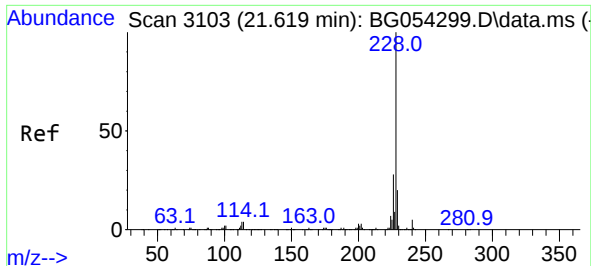
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#79
Terphenyl-d14
Concen: 68.258 ng
RT: 19.968 min Scan# 2890
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

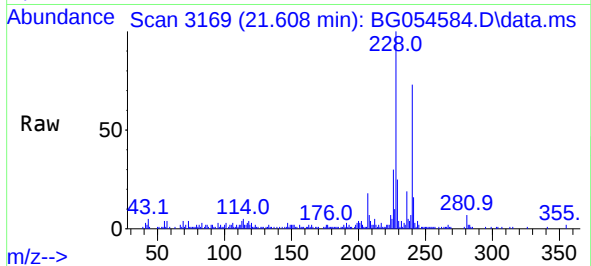
Tgt Ion:244 Resp: 521250
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 4.5 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 4.222 ng m
RT: 21.608 min Scan# 3103
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

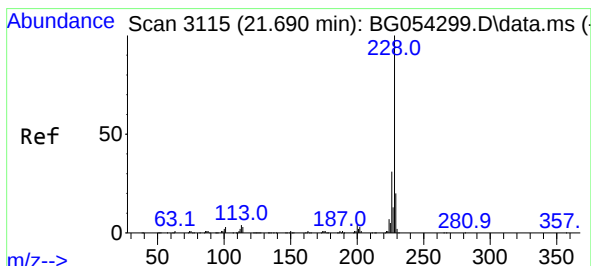
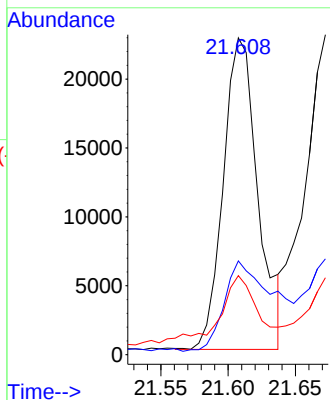
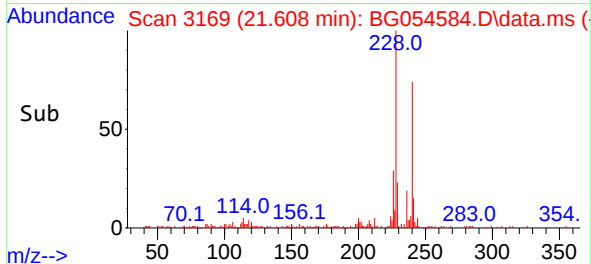
Instrument :
BNA_G
ClientSampleId :
RVE-190



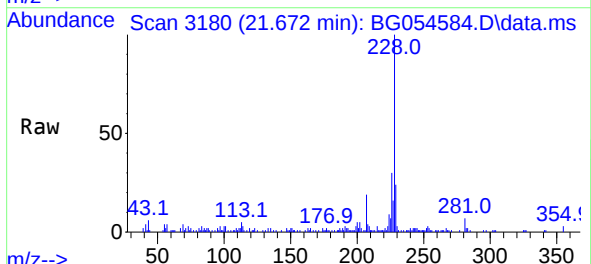
Tgt Ion:228 Resp: 40600
Ion Ratio Lower Upper
228 100
226 29.6 21.6 32.4
229 25.0 16.2 24.2

Manual Integrations
APPROVED

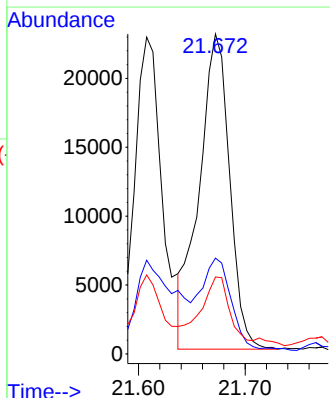
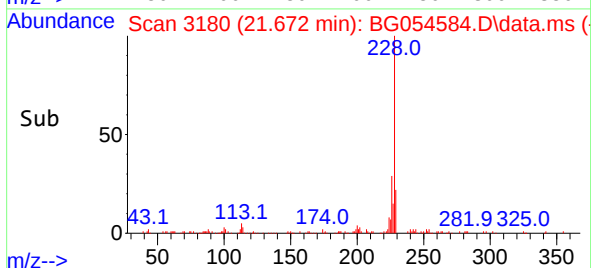
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

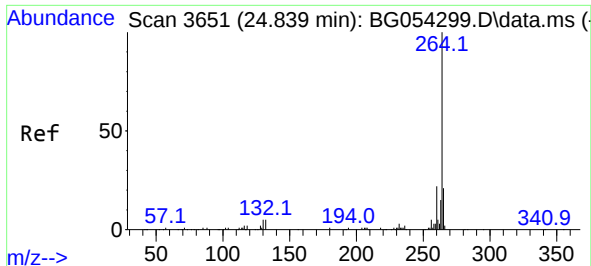


#83
Chrysene
Concen: 5.030 ng
RT: 21.672 min Scan# 3180
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59



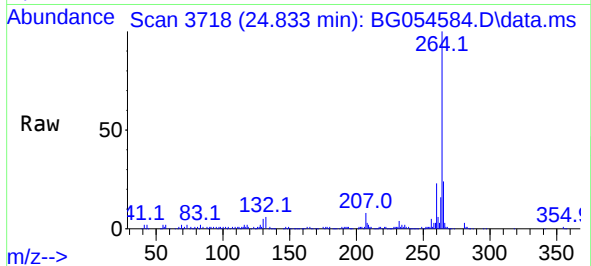
Tgt Ion:228 Resp: 45702
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 24.1 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.833 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

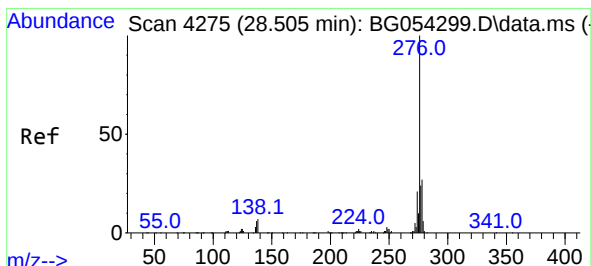
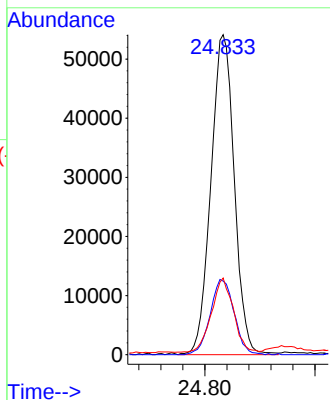
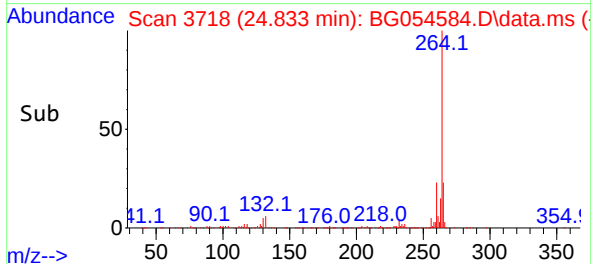
Instrument :
BNA_G
ClientSampleId :
RVE-190



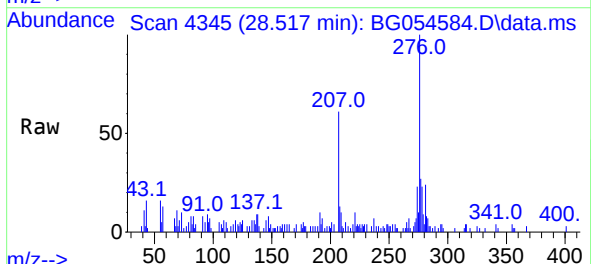
Tgt Ion:264 Resp: 159698
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 24.0 17.4 26.2

Manual Integrations
APPROVED

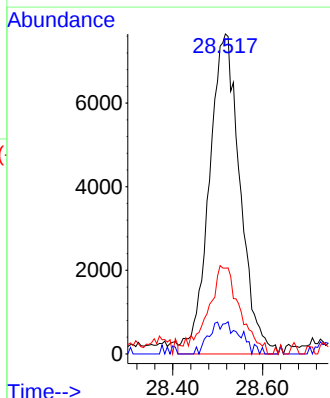
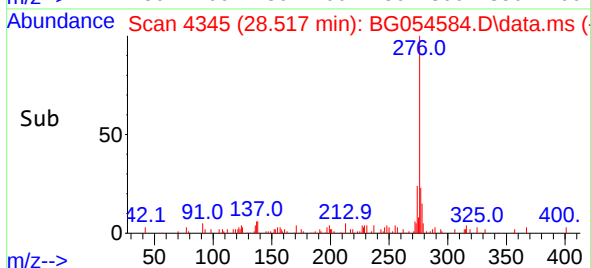
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

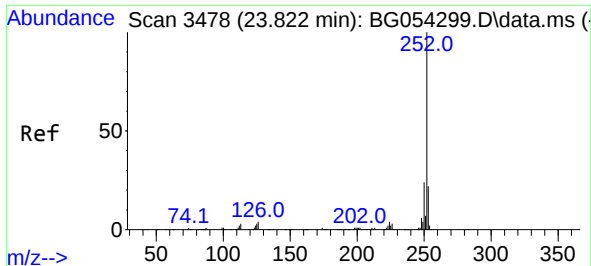


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.009 ng
RT: 28.517 min Scan# 4345
Delta R.T. -0.013 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59



Tgt Ion:276 Resp: 36559
Ion Ratio Lower Upper
276 100
138 4.0 5.0 7.4#
277 28.3 20.3 30.5





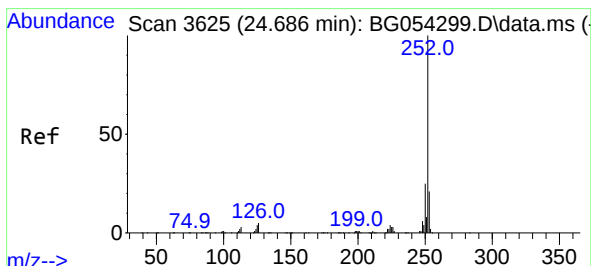
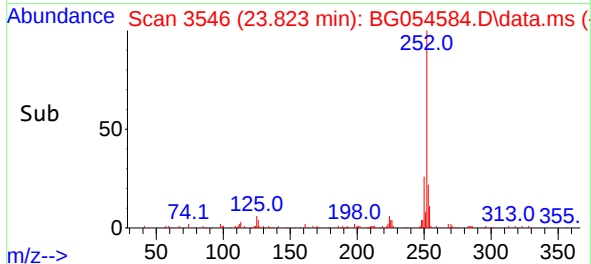
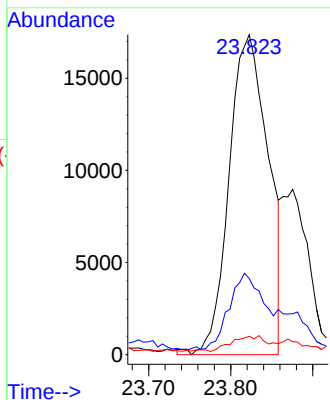
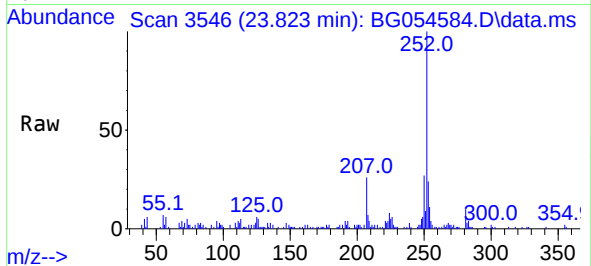
#88
Benzo(b)fluoranthene
Concen: 6.084 ng m
RT: 23.823 min Scan# 30
Delta R.T. 0.004 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Instrument :
BNA_G
ClientSampleId :
RVE-190

Tgt Ion:252 Resp: 5745
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 5.8 4.6 6.8

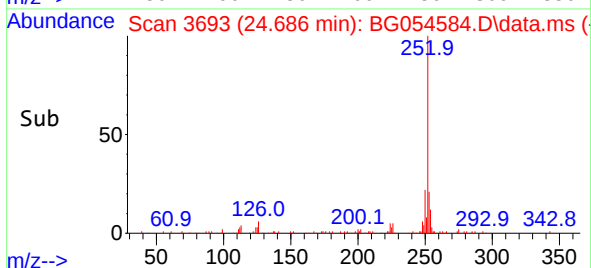
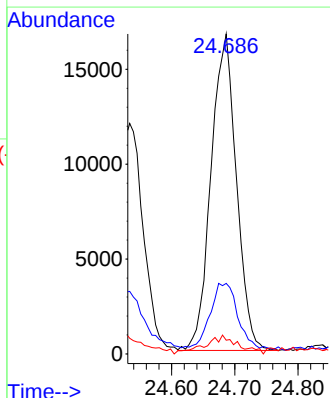
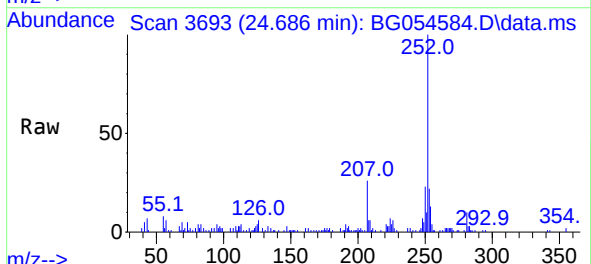
Manual Integrations
APPROVED

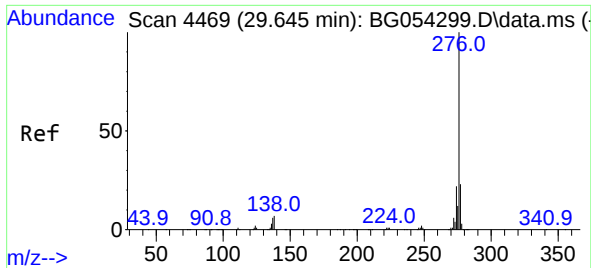
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#90
Benzo(a)pyrene
Concen: 5.771 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

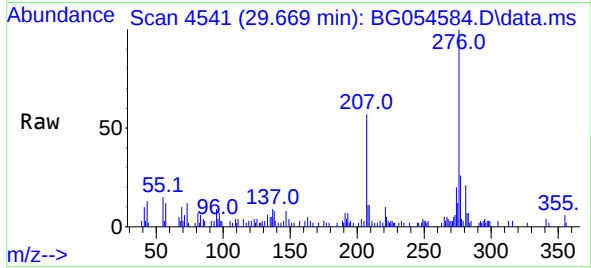
Tgt Ion:252 Resp: 46544
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 4.3 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 4.029 ng
 RT: 29.669 min Scan# 4541
 Delta R.T. -0.008 min
 Lab File: BG054584.D
 Acq: 10 Aug 2022 11:59

Instrument :
 BNA_G
 ClientSampleId :
 RVE-190



Tgt Ion: 276 Resp: 39720

Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.3	25.9
138	7.9	9.6	14.4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/11/2022
 Supervised By : Jagrut Upadhyay 08/11/2022

