

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054454.D
 Acq On : 29 Jul 2022 18:16
 Operator : CG/JU
 Sample : N3894-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-20

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/01/2022
 Supervised By : Jagrut Upadhyay 08/01/2022

Quant Time: Jul 30 03:18:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	18239	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	69246	20.000	ng	# 0.00
39) Acenaphthene-d10	14.626	164	54398	20.000	ng	0.00
64) Phenanthrene-d10	17.370	188	133840	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	146519	20.000	ng	# 0.00
86) Perylene-d12	24.850	264	152349	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	108723	124.459	ng	0.00
7) Phenol-d6	7.182	99	145705	121.725	ng	0.01
23) Nitrobenzene-d5	9.150	82	100957	79.395	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	141628	124.001	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	315442	81.803	ng	0.00
79) Terphenyl-d14	19.979	244	632057	85.578	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.350	152	33827	7.309	ng	97
71) Phenanthrene	17.411	178	29407	4.412	ng	96
75) Fluoranthene	19.421	202	75134	8.269	ng	91
78) Pyrene	19.785	202	198395	23.598	ng	98
81) Benzo(a)anthracene	21.618	228	95866m	10.307	ng	
83) Chrysene	21.683	228	128351	14.607	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.534	276	64370	5.554	ng	# 95
88) Benzo(b)fluoranthene	23.839	252	140279m	15.570	ng	
89) Benzo(k)fluoranthene	23.892	252	32566m	3.632	ng	
90) Benzo(a)pyrene	24.703	252	136685	17.764	ng	97
92) Benzo(g,h,i)perylene	29.685	276	91664	9.745	ng	92

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

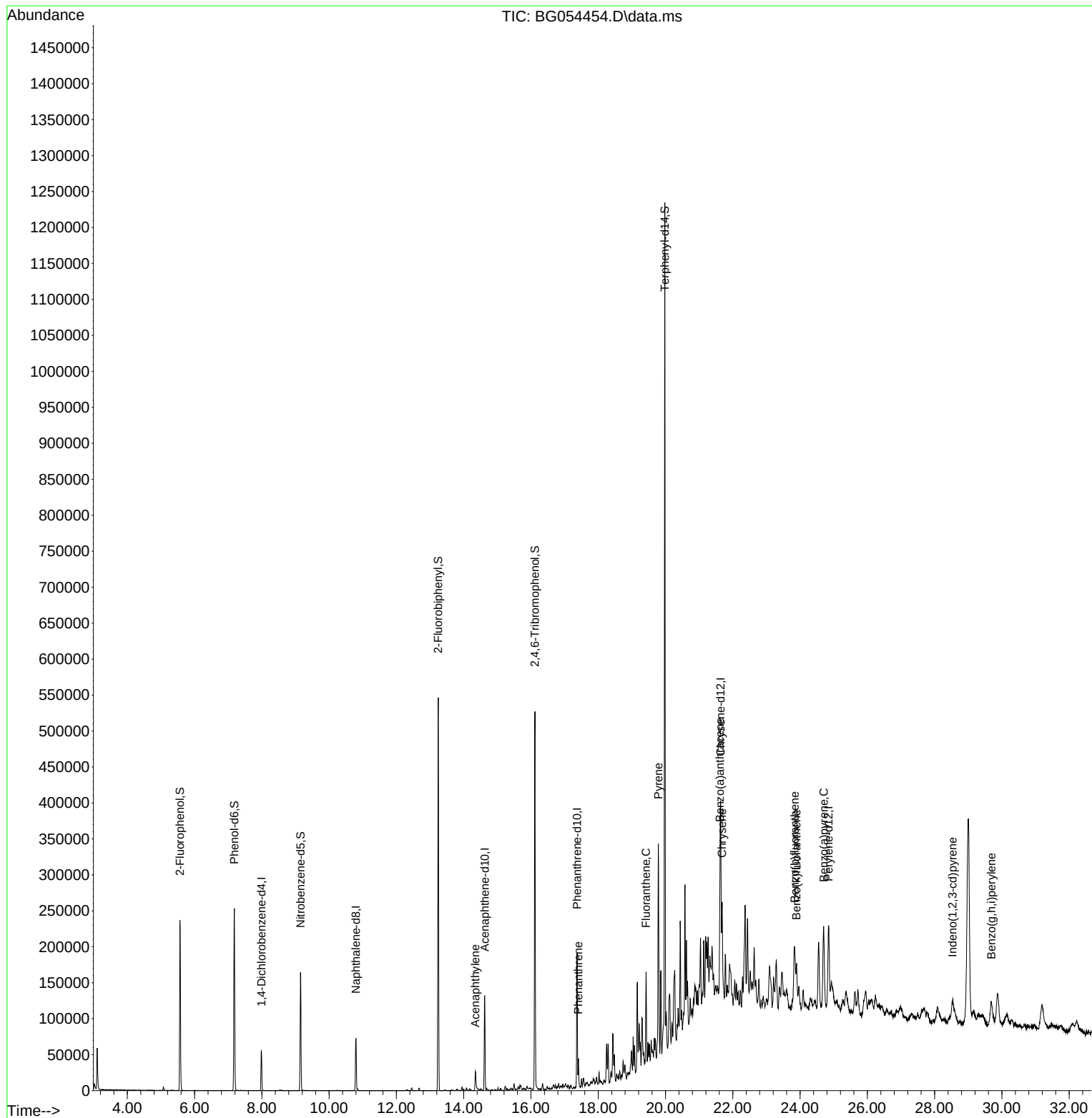
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
Data File : BG054454.D
Acq On : 29 Jul 2022 18:16
Operator : CG/JU
Sample : N3894-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

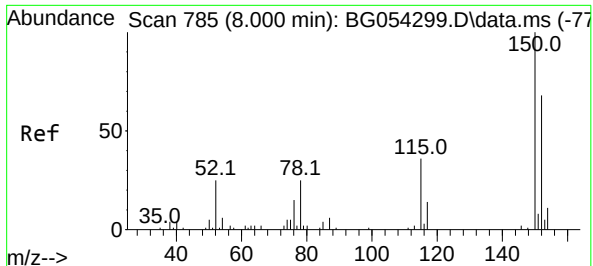
Instrument :
BNA_G
ClientSampleId :
RVE-20

Quant Time: Jul 30 03:18:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

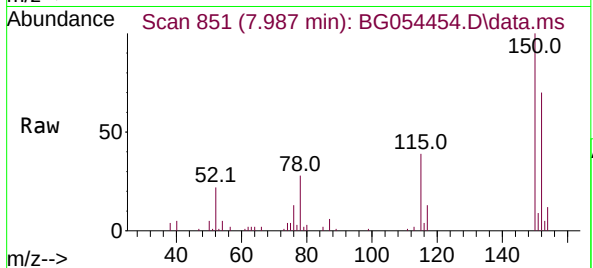
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

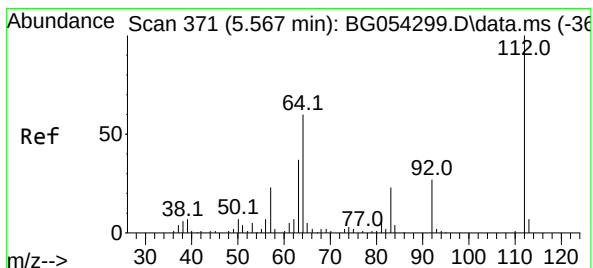
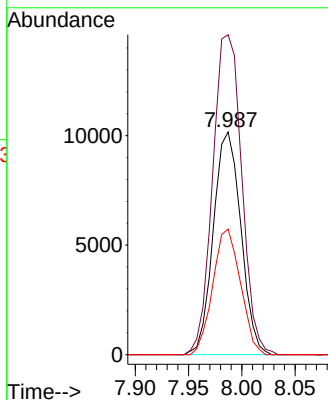
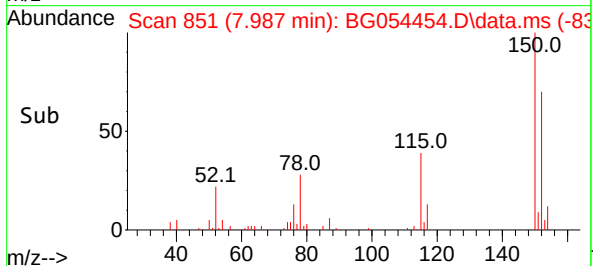
Instrument :
BNA_G
ClientSampleId :
RVE-20



Tgt Ion:152 Resp: 18239
Ion Ratio Lower Upper
152 100
150 143.7 131.6 197.4
115 56.4 50.9 76.3

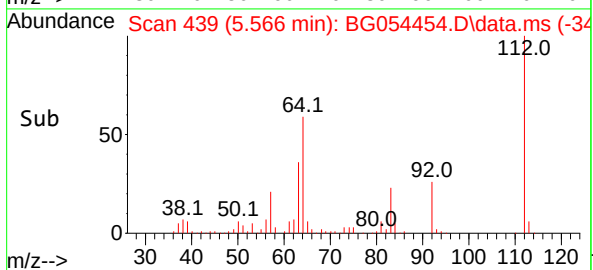
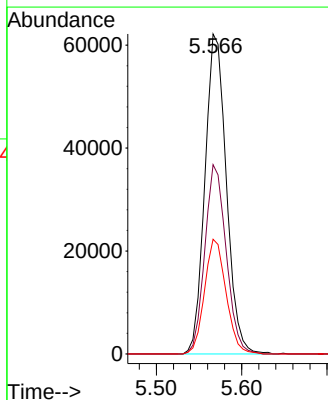
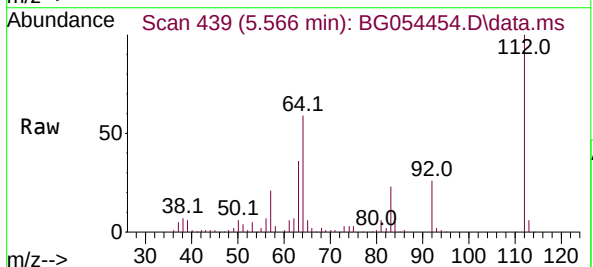
Manual Integrations
APPROVED

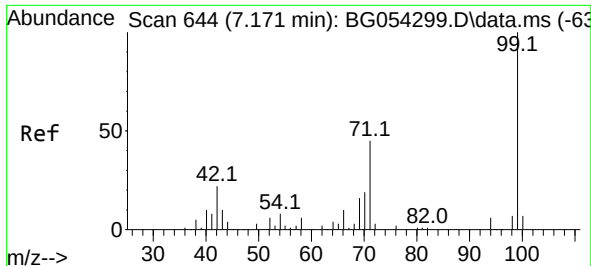
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#5
2-Fluorophenol
Concen: 124.459 ng
RT: 5.566 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

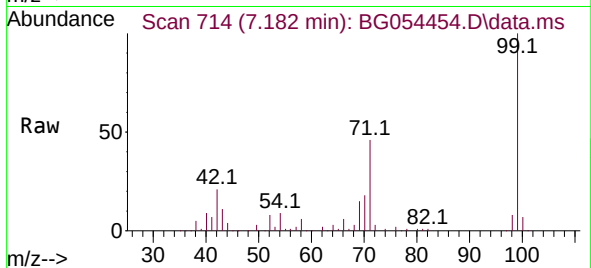
Tgt Ion:112 Resp: 108723
Ion Ratio Lower Upper
112 100
64 59.1 55.1 82.7
63 35.9 30.4 45.6





#7
Phenol-d6
Concen: 121.725 ng
RT: 7.182 min Scan# 71
Delta R.T. 0.010 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

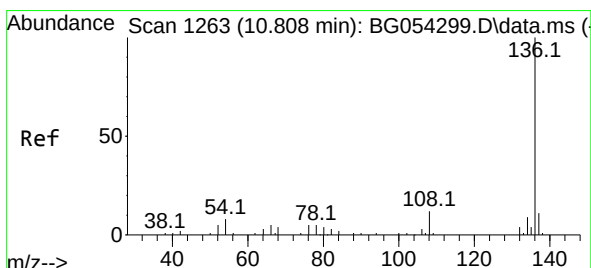
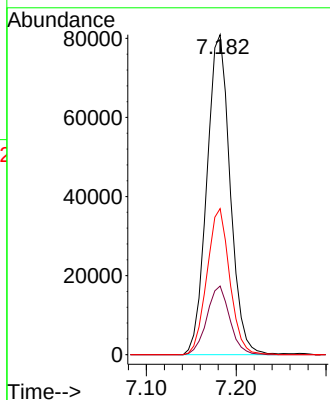
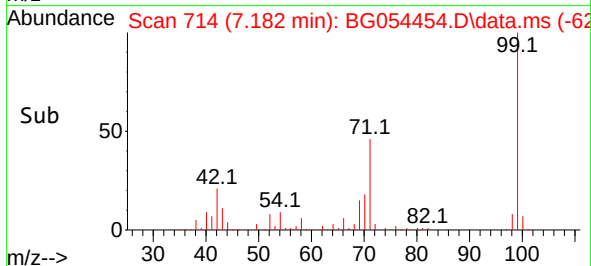
Instrument :
BNA_G
ClientSampleId :
RVE-20



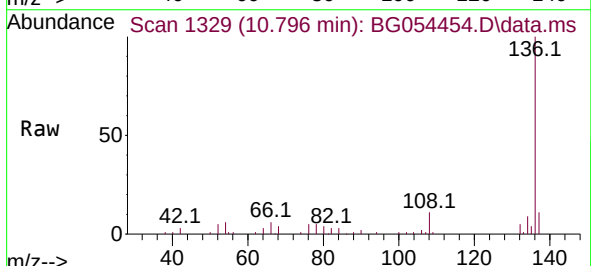
Tgt Ion: 99 Resp: 14570
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 45.6 33.8 50.8

Manual Integrations
APPROVED

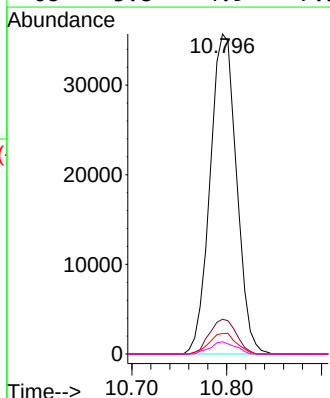
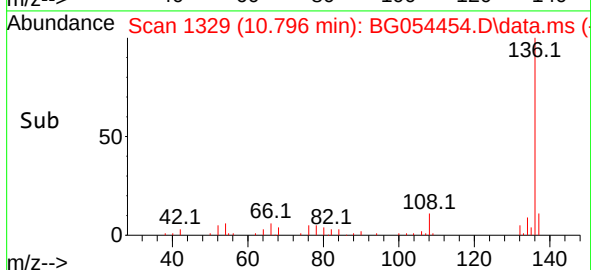
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

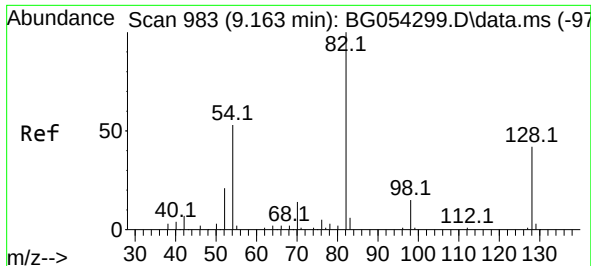


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16



Tgt Ion:136 Resp: 69246
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.4 7.4 11.2#
68 3.8 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 79.395 ng
RT: 9.150 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Instrument :

BNA_G

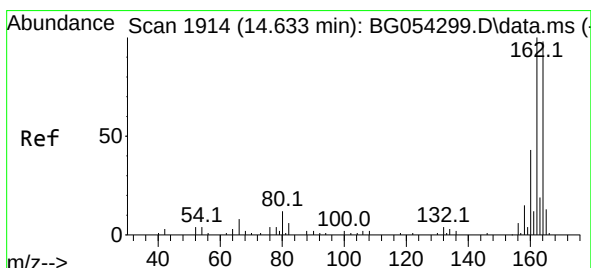
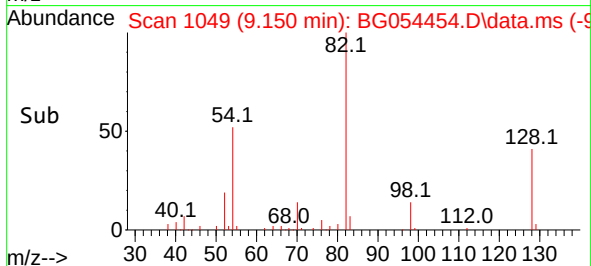
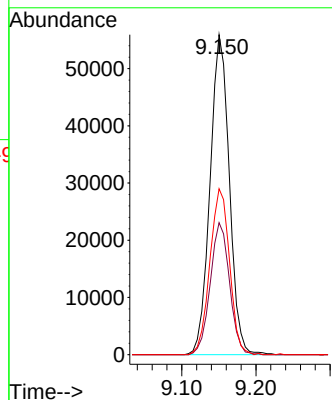
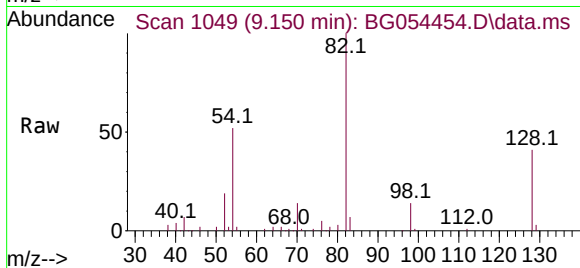
ClientSampleId :

RVE-20

Tgt Ion: 82 Resp: 10095
Ion Ratio Lower Upper
82 100
128 41.3 27.9 41.9
54 51.8 41.2 61.8

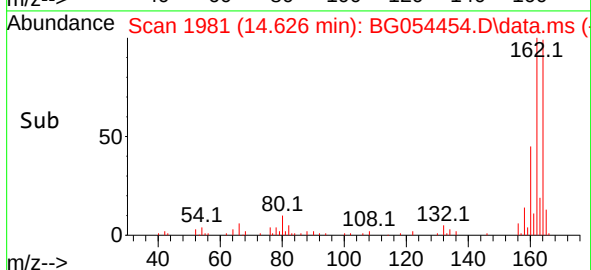
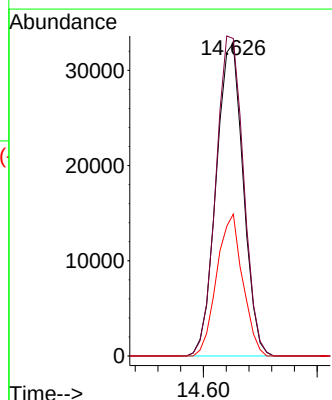
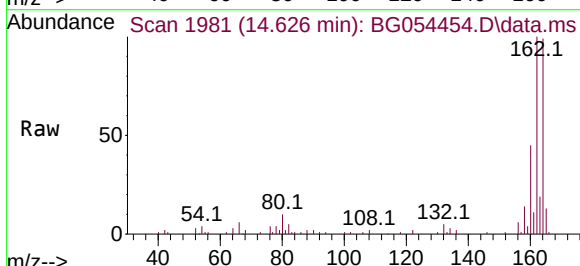
Manual Integrations
APPROVED

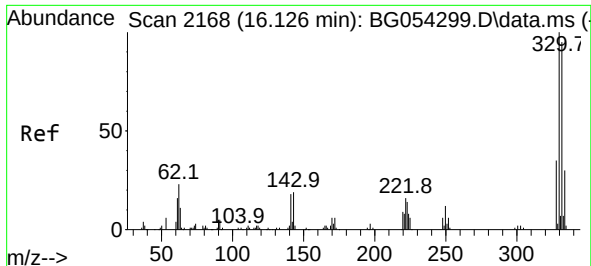
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.626 min Scan# 1981
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

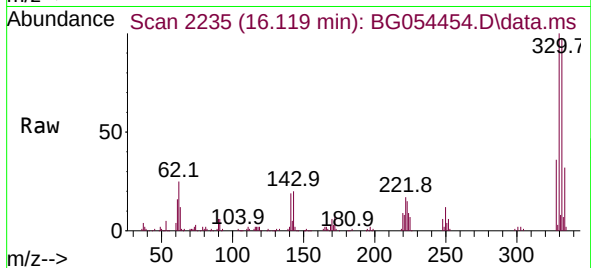
Tgt Ion:164 Resp: 54398
Ion Ratio Lower Upper
164 100
162 101.4 82.3 123.5
160 45.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 124.001 ng
RT: 16.119 min Scan# 2168
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

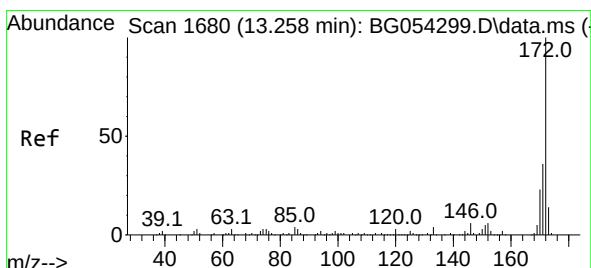
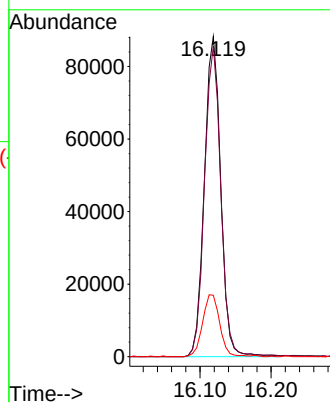
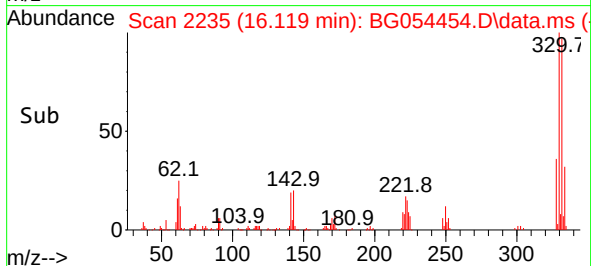
Instrument :
BNA_G
ClientSampleId :
RVE-20



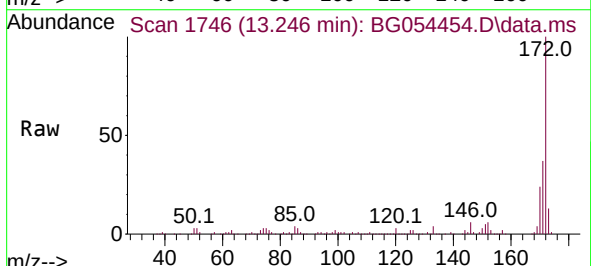
Tgt Ion:330 Resp: 141628
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 20.3 27.1 40.7

Manual Integrations
APPROVED

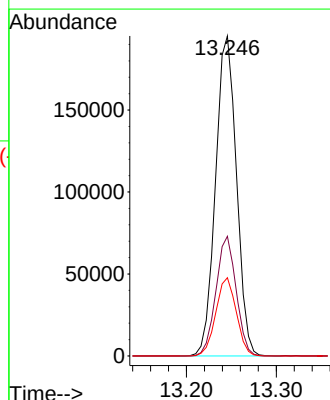
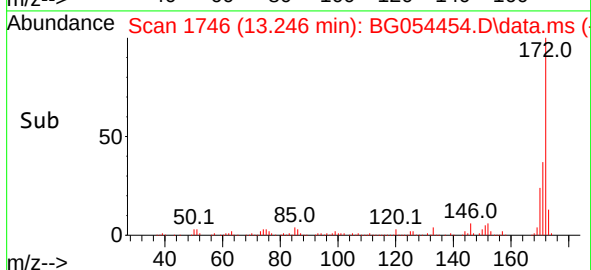
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

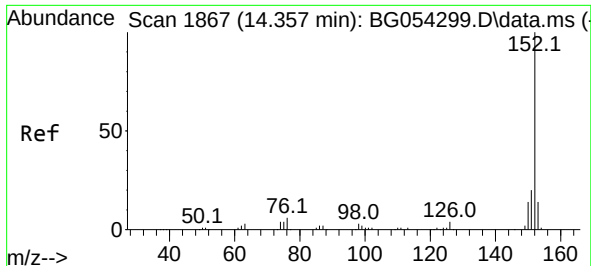


#45
2-Fluorobiphenyl
Concen: 81.803 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16



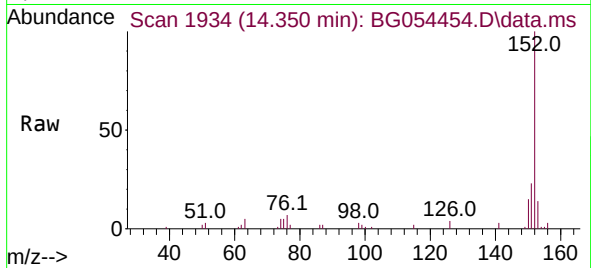
Tgt Ion:172 Resp: 315442
Ion Ratio Lower Upper
172 100
171 37.4 28.5 42.7
170 24.4 18.9 28.3





#49
Acenaphthylene
Concen: 7.309 ng
RT: 14.350 min Scan# 1934
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

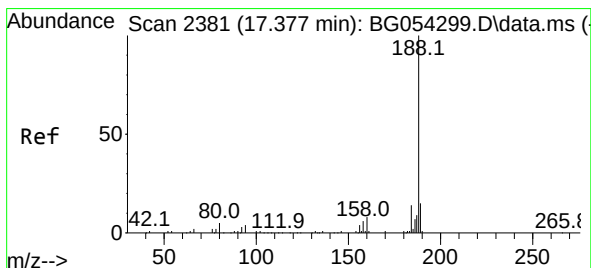
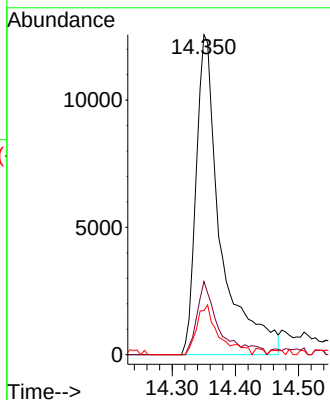
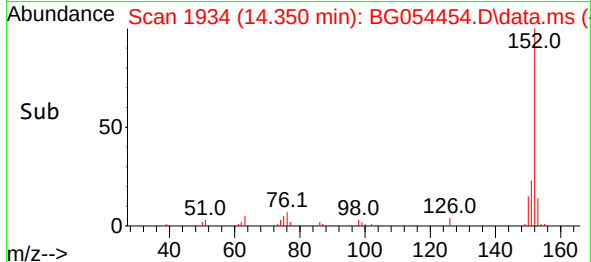
Instrument :
BNA_G
ClientSampleId :
RVE-20



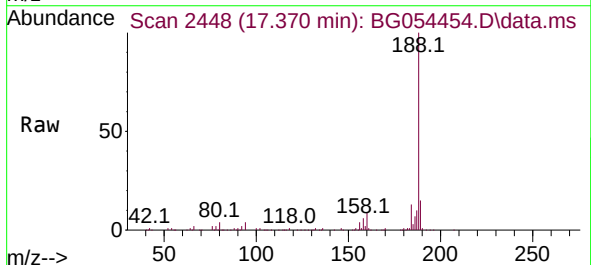
Tgt Ion:152 Resp: 3382
Ion Ratio Lower Upper
152 100
151 22.9 16.4 24.6
153 13.8 10.8 16.2

Manual Integrations
APPROVED

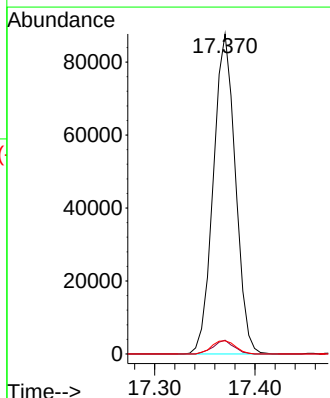
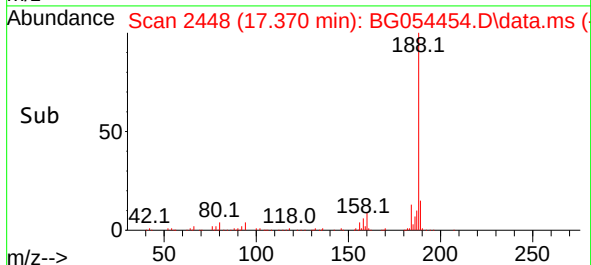
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

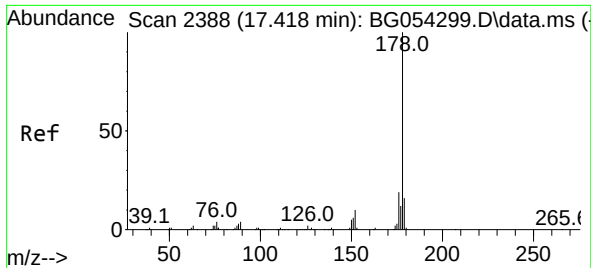


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16



Tgt Ion:188 Resp: 133840
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0#
80 4.1 6.8 10.2#





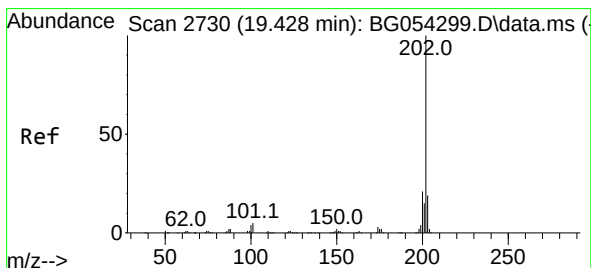
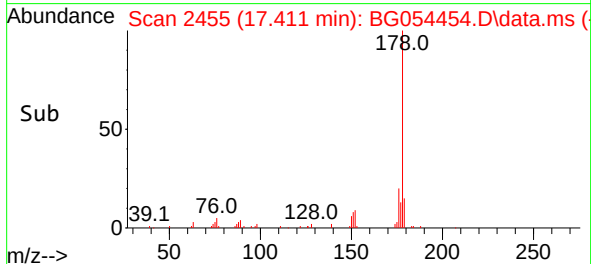
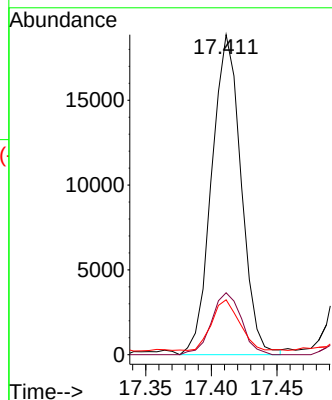
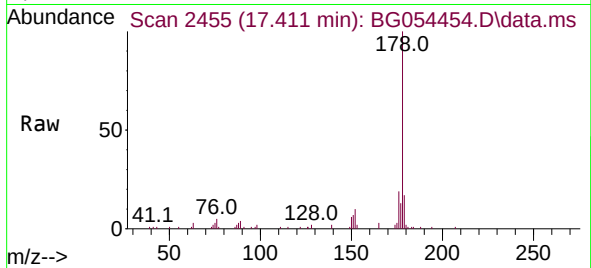
#71
Phenanthrene
Concen: 4.412 ng
RT: 17.411 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Instrument :
BNA_G
ClientSampleId :
RVE-20

Tgt Ion:178 Resp: 2940
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 17.2 12.1 18.1

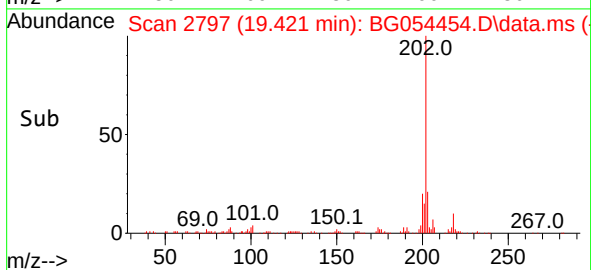
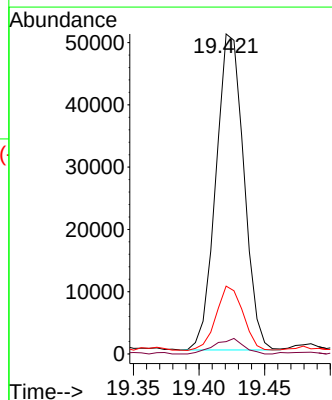
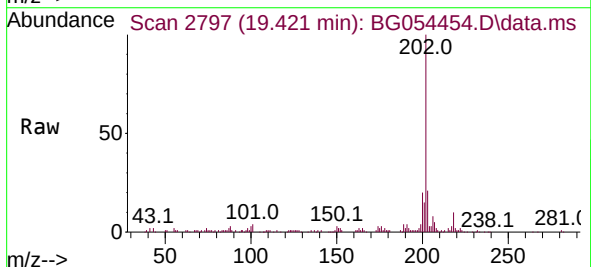
Manual Integrations
APPROVED

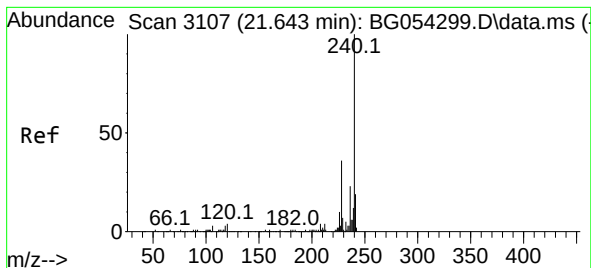
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#75
Fluoranthene
Concen: 8.269 ng
RT: 19.421 min Scan# 2797
Delta R.T. -0.001 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Tgt Ion:202 Resp: 75134
Ion Ratio Lower Upper
202 100
101 3.9 0.0 26.9
203 21.2 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3107

Delta R.T. -0.001 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

Instrument :

BNA_G

ClientSampleId :

RVE-20

Tgt Ion:240 Resp: 146519

Ion Ratio Lower Upper

240 100

120 4.0 4.6 7.0

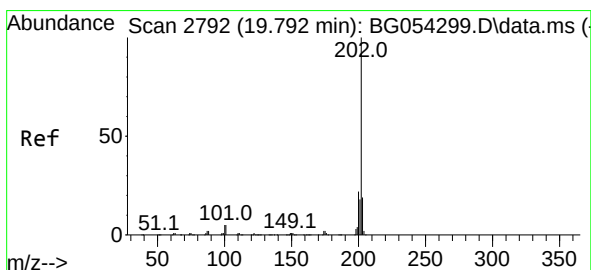
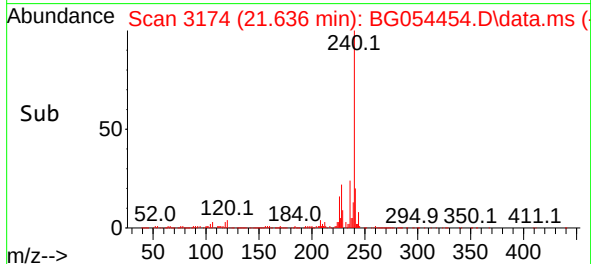
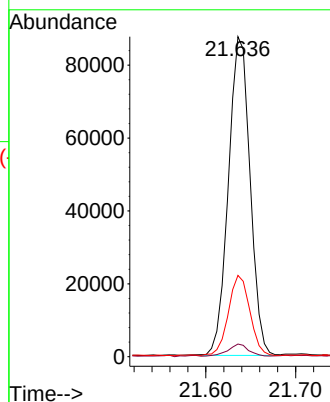
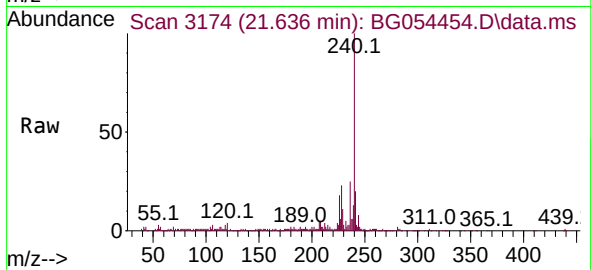
236 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/01/2022

Supervised By :Jagrut Upadhyay 08/01/2022



#78

Pyrene

Concen: 23.598 ng

RT: 19.785 min Scan# 2859

Delta R.T. -0.001 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

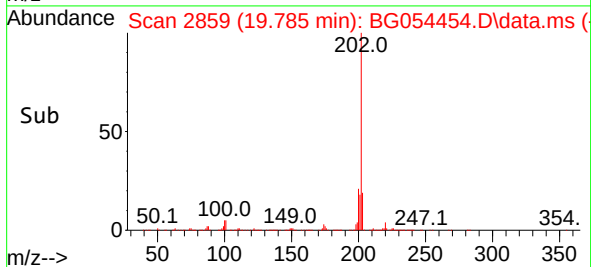
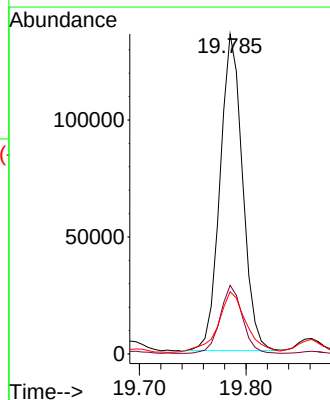
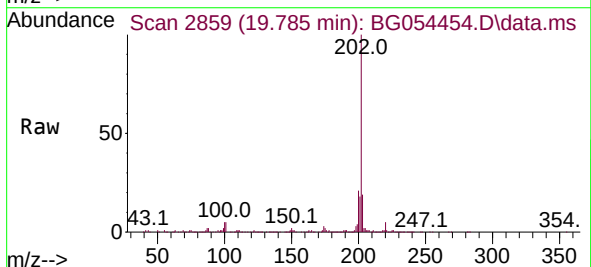
Tgt Ion:202 Resp: 198395

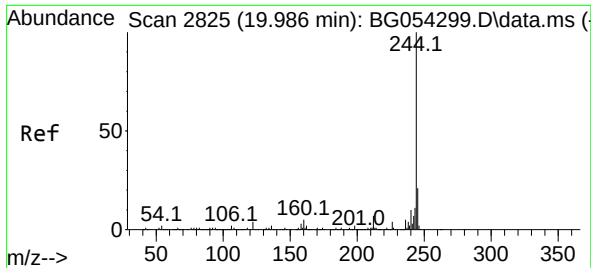
Ion Ratio Lower Upper

202 100

200 21.5 16.6 24.8

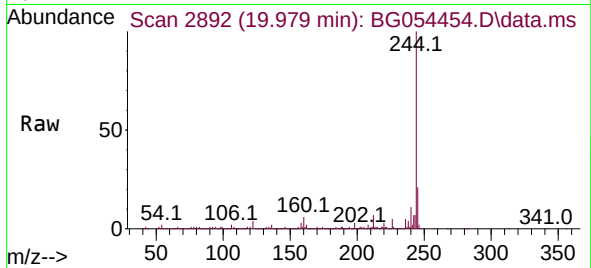
203 19.4 14.6 21.8





#79
 Terphenyl-d14
 Concen: 85.578 ng
 RT: 19.979 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054454.D
 Acq: 29 Jul 2022 18:16

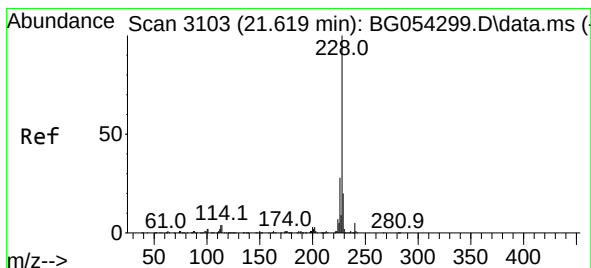
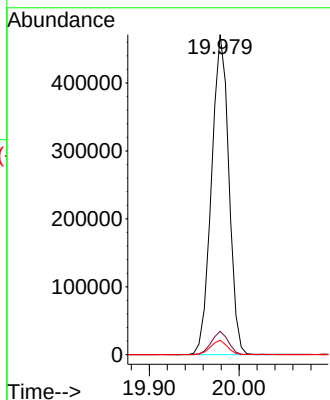
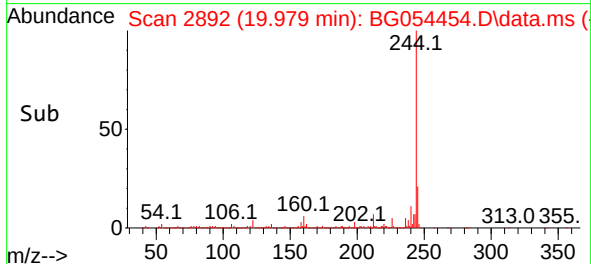
Instrument :
 BNA_G
 ClientSampleId :
 RVE-20



Tgt Ion:244 Resp: 63205
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.5 5.0 7.4

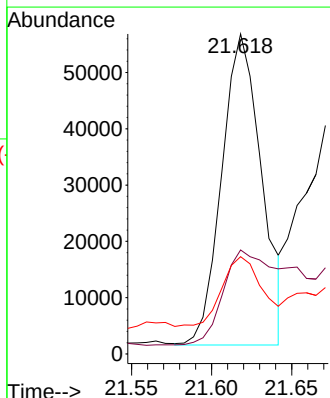
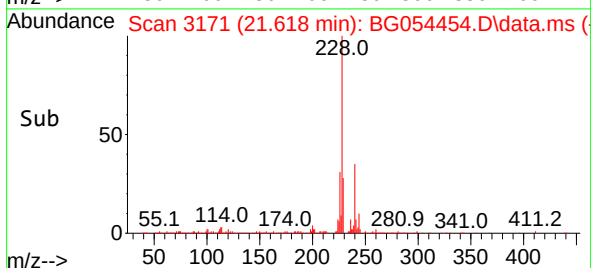
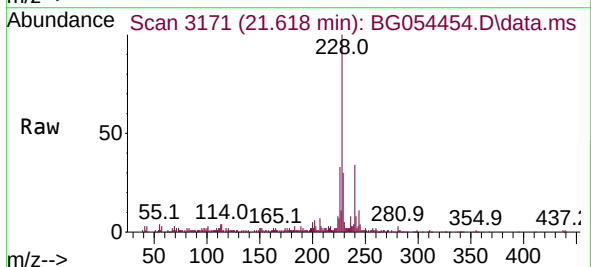
Manual Integrations
 APPROVED

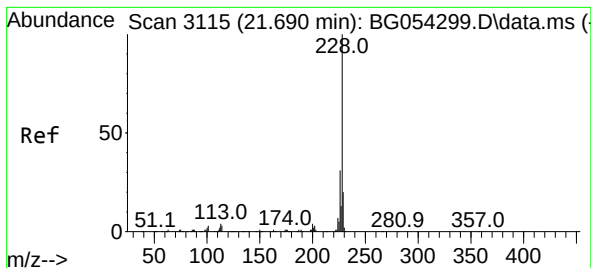
Reviewed By :Christian Giraldo 08/01/2022
 Supervised By :Jagrut Upadhyay 08/01/2022



#81
 Benzo(a)anthracene
 Concen: 10.307 ng m
 RT: 21.618 min Scan# 3171
 Delta R.T. 0.005 min
 Lab File: BG054454.D
 Acq: 29 Jul 2022 18:16

Tgt Ion:228 Resp: 95866
 Ion Ratio Lower Upper
 228 100
 226 32.5 21.6 32.4#
 229 30.4 16.2 24.2#





#83

Chrysene

Concen: 14.607 ng

RT: 21.683 min Scan# 3115

Delta R.T. -0.001 min

Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

Instrument :

BNA_G

ClientSampleId :

RVE-20

Tgt Ion:228 Resp: 12835

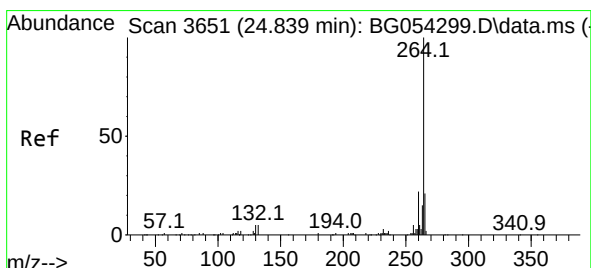
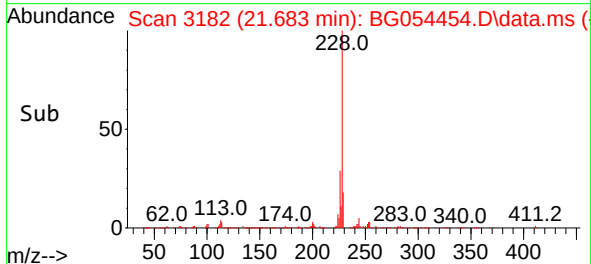
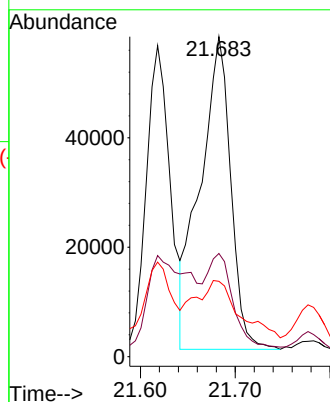
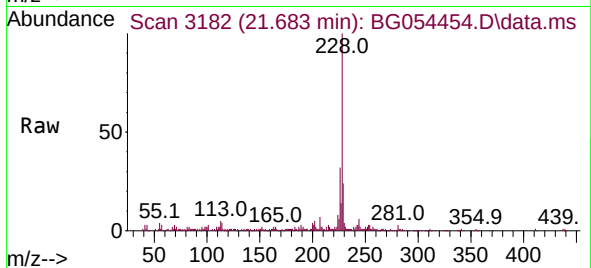
Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.4	35.2
229	23.6	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/01/2022

Supervised By :Jagrut Upadhyay 08/01/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.850 min Scan# 3721

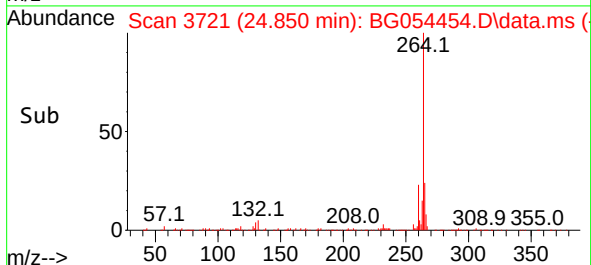
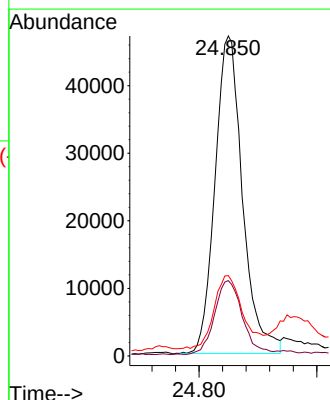
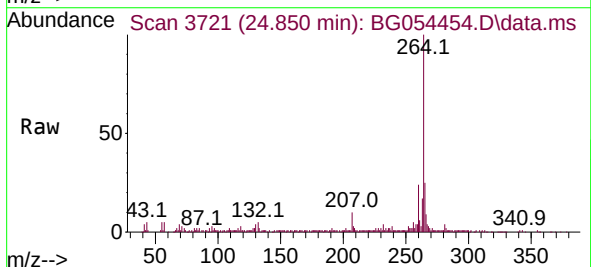
Delta R.T. 0.016 min

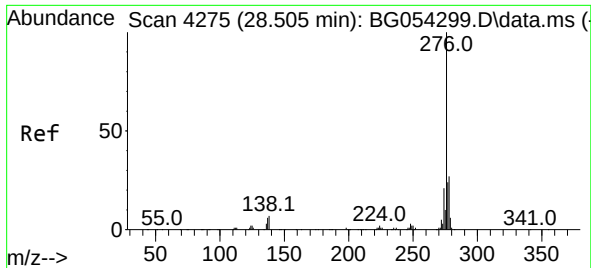
Lab File: BG054454.D

Acq: 29 Jul 2022 18:16

Tgt Ion:264 Resp: 152349

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	25.1	17.4	26.2





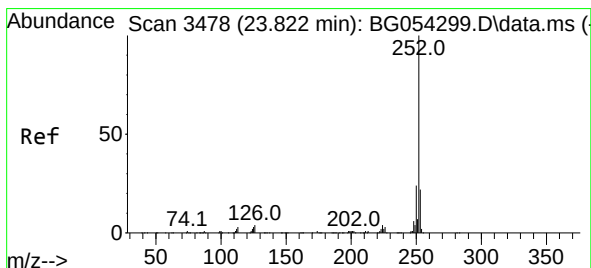
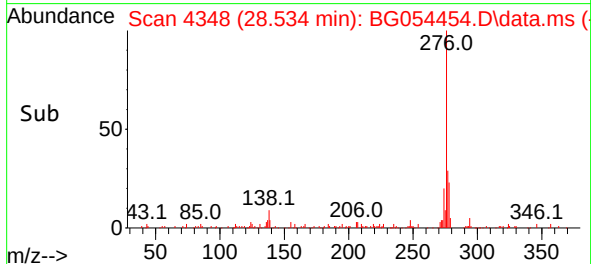
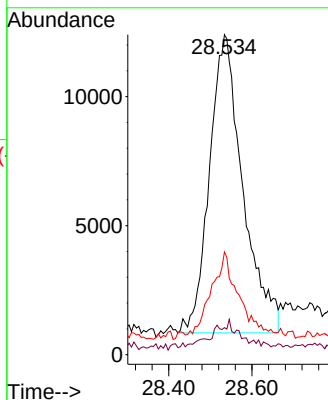
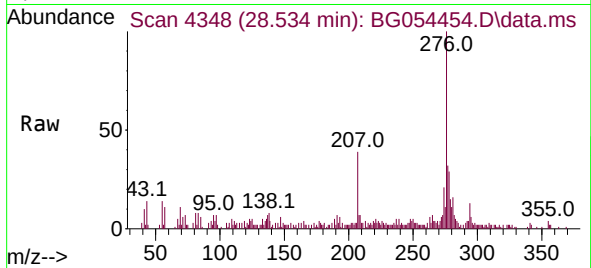
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.554 ng
RT: 28.534 min Scan# 41
Delta R.T. 0.016 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

Instrument :
BNA_G
ClientSampleId :
RVE-20

Tgt Ion:276 Resp: 64370
Ion Ratio Lower Upper
276 100
138 1.0 5.0 7.4
277 24.2 20.3 30.5

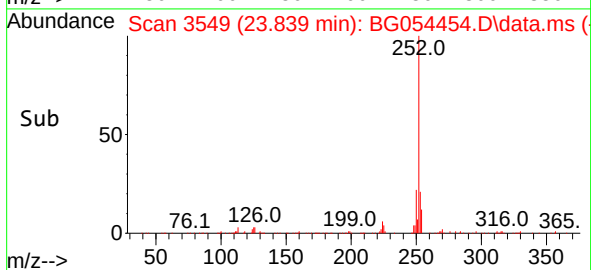
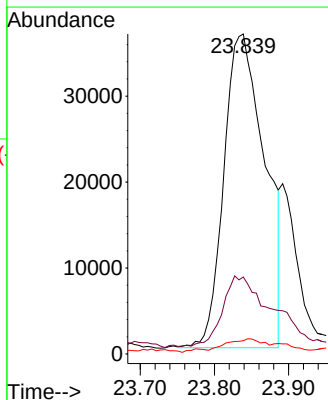
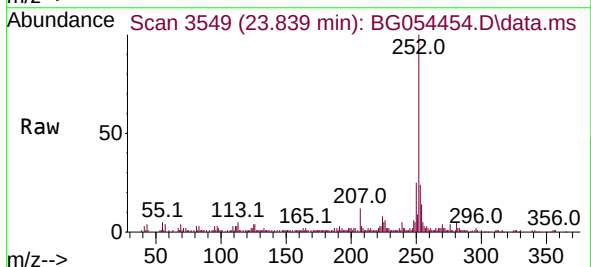
Manual Integrations
APPROVED

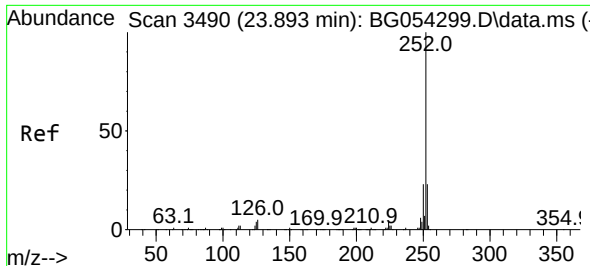
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#88
Benzo(b)fluoranthene
Concen: 15.570 ng m
RT: 23.839 min Scan# 3549
Delta R.T. 0.016 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

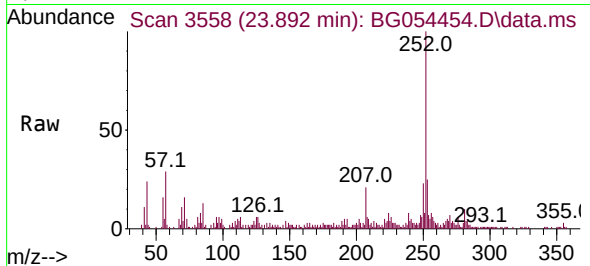
Tgt Ion:252 Resp: 140279
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 4.2 4.6 6.8#





#89
Benzo(k)fluoranthene
Concen: 3.632 ng m
RT: 23.892 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

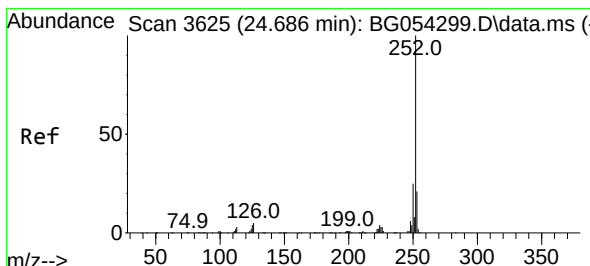
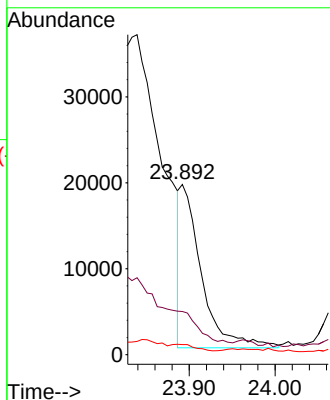
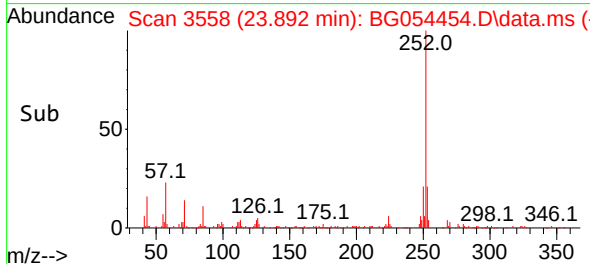
Instrument :
BNA_G
ClientSampleId :
RVE-20



Tgt Ion:252 Resp: 3256
Ion Ratio Lower Upper
252 100
253 25.4 18.4 27.6
125 5.9 4.8 7.2

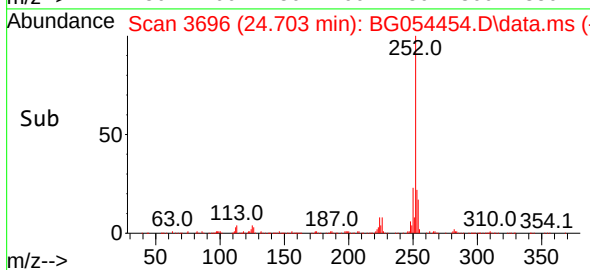
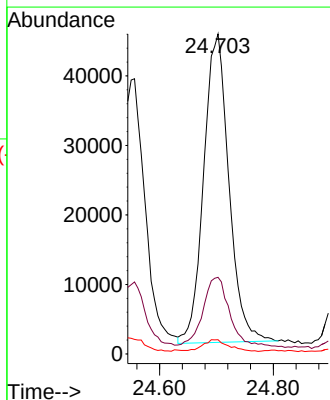
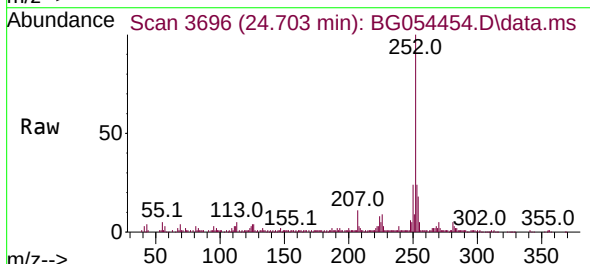
Manual Integrations
APPROVED

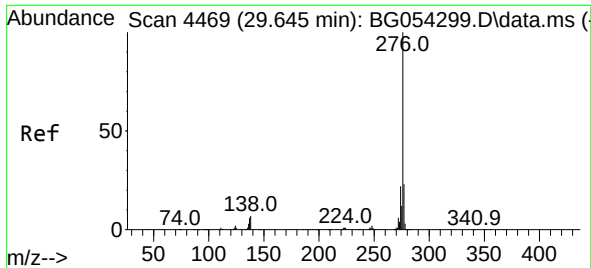
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#90
Benzo(a)pyrene
Concen: 17.764 ng
RT: 24.703 min Scan# 3696
Delta R.T. 0.016 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

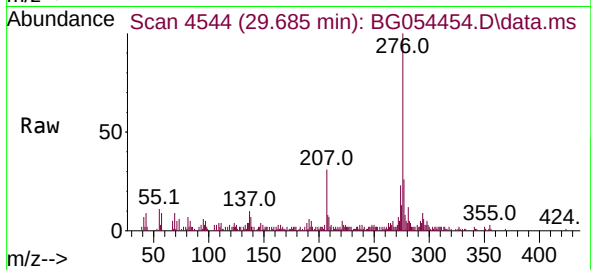
Tgt Ion:252 Resp: 136685
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 4.4 4.3 6.5





#92
Benzo(g,h,i)perylene
Concen: 9.745 ng
RT: 29.685 min Scan# 41
Delta R.T. 0.022 min
Lab File: BG054454.D
Acq: 29 Jul 2022 18:16

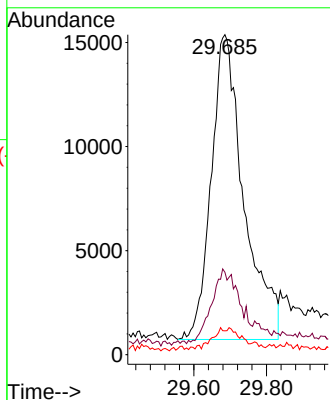
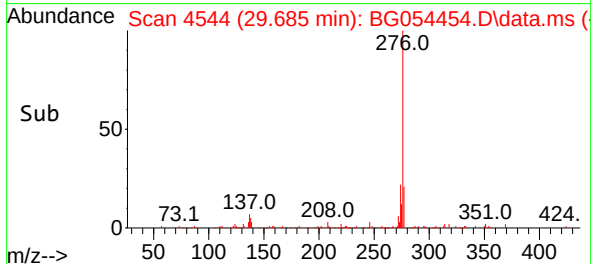
Instrument :
BNA_G
ClientSampleId :
RVE-20



Tgt Ion:276 Resp: 91664
Ion Ratio Lower Upper
276 100
277 25.8 17.3 25.9
138 9.9 9.6 14.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



08/01/2022
Supervised By :Jagrut
Upadhyay

08/01/2022