

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
 Data File : BG054182.D
 Acq On : 30 Jun 2022 23:24
 Operator : CG/JU
 Sample : N3550-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-03-06292022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/01/2022
 Supervised By : Jagrut Upadhyay 07/01/2022

Quant Time: Jul 01 04:06:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	25346	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	96890	20.000	ng	0.00
39) Acenaphthene-d10	14.698	164	66080	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	150301	20.000	ng	# 0.00
76) Chrysene-d12	21.719	240	166131	20.000	ng	0.00
86) Perylene-d12	24.991	264	147671	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	91958	69.366	ng	0.00
7) Phenol-d6	7.236	99	133182	74.056	ng	0.00
23) Nitrobenzene-d5	9.228	82	93339	54.137	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	75703	71.304	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	248738	54.736	ng	0.00
79) Terphenyl-d14	20.050	244	455863	55.266	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.530	142	13254	3.662	ng	98
38) 1-Methylnaphthalene	12.747	142	13874	3.937	ng	# 86
71) Phenanthrene	17.483	178	50808	6.580	ng	96
75) Fluoranthene	19.492	202	80334	7.925	ng	92
78) Pyrene	19.856	202	104246	10.389	ng	97
81) Benzo(a)anthracene	21.701	228	54123	5.032	ng	# 89
83) Chrysene	21.766	228	53052	5.174	ng	# 85
88) Benzo(b)fluoranthene	23.957	252	53929	6.006	ng	# 77
89) Benzo(k)fluoranthene	24.004	252	23198m	2.610	ng	
90) Benzo(a)pyrene	24.827	252	41009	5.413	ng	# 84

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

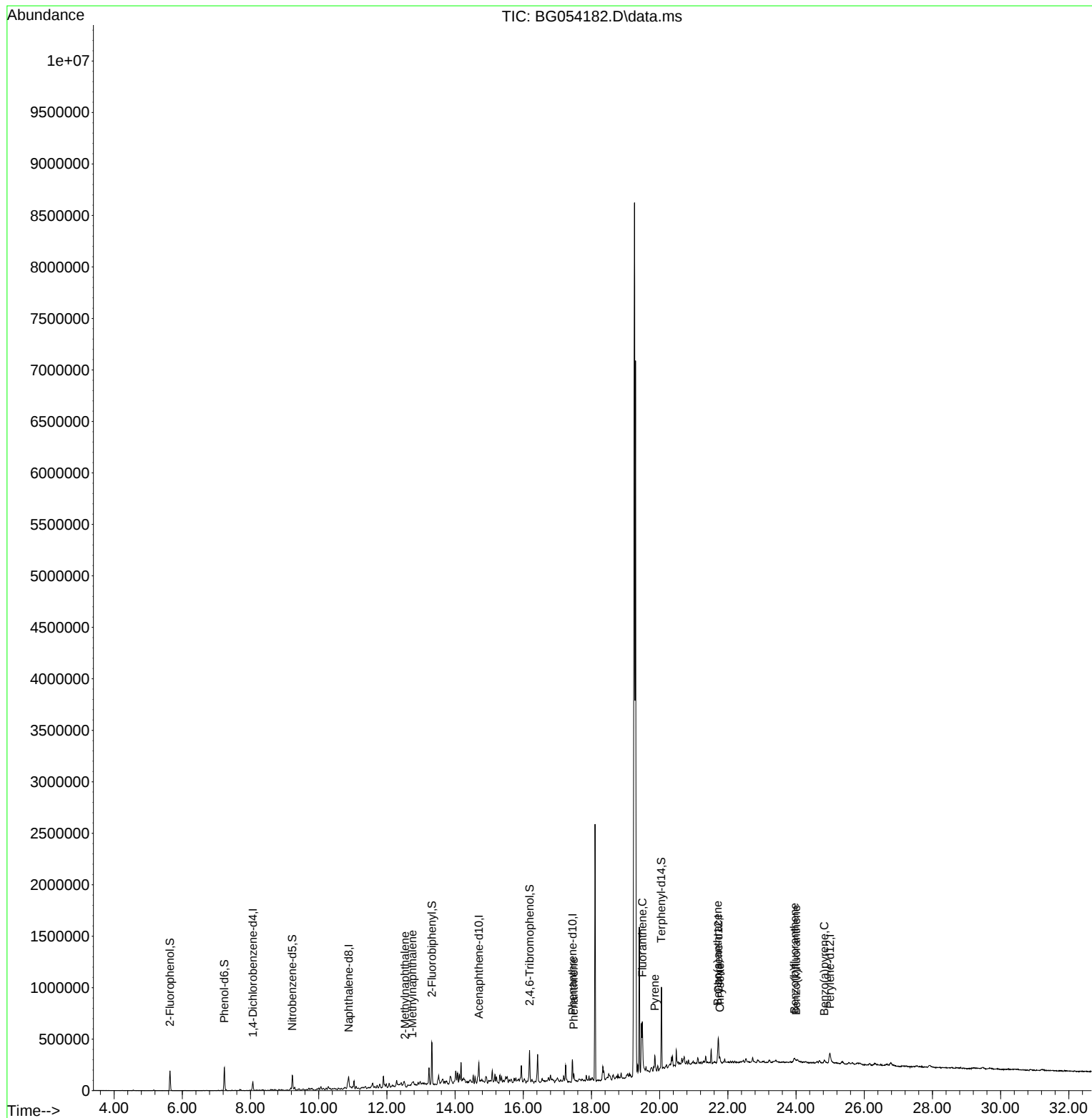
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054182.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 00:27:54 2022
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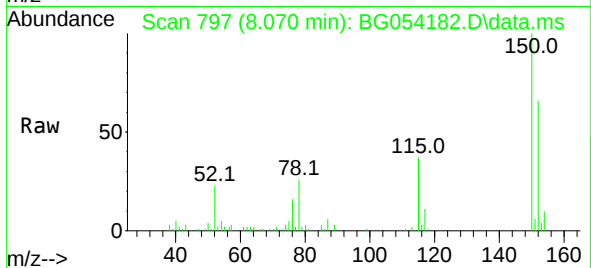
Reviewed By : Christian Giraldo 07/01/2022
Supervised By : Jagrut Upadhyay 07/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

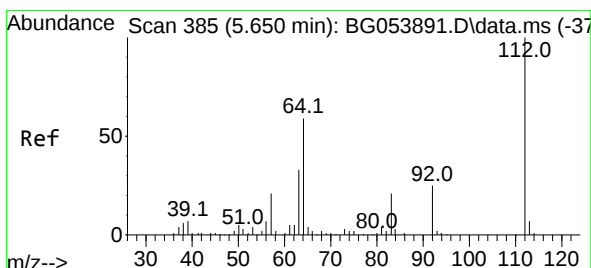
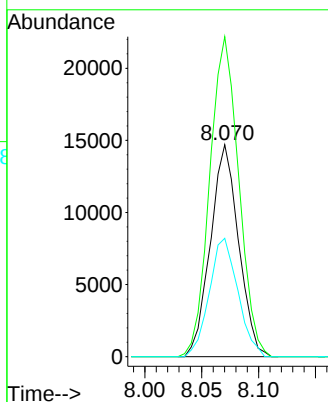
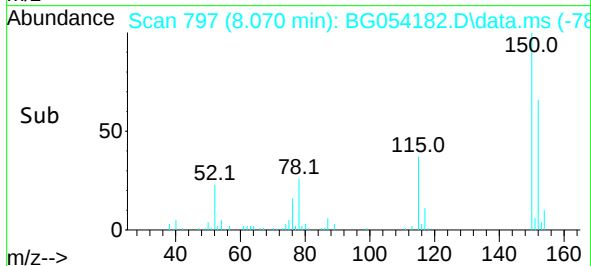
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022



Tgt Ion:152 Resp: 25340
Ion Ratio Lower Upper
152 100
150 150.9 131.6 197.4
115 55.9 50.9 76.3

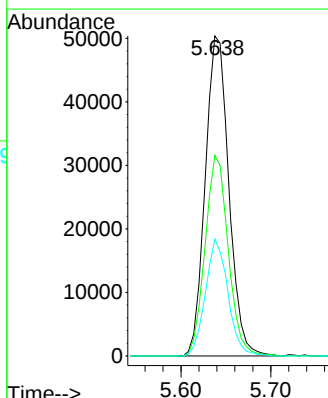
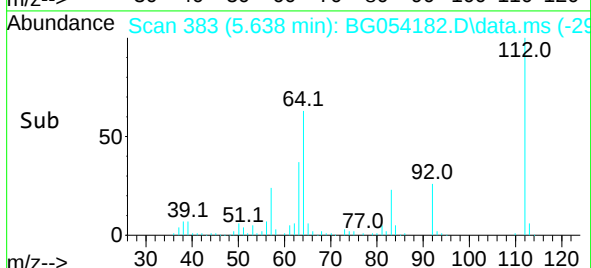
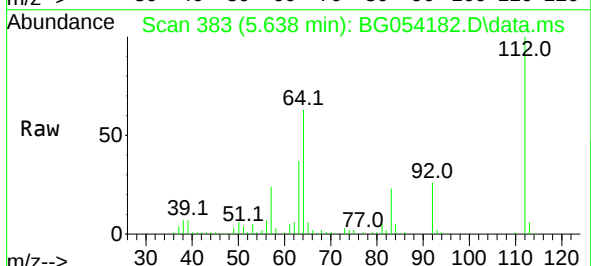
Manual Integrations
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#5
2-Fluorophenol
Concen: 69.366 ng
RT: 5.638 min Scan# 383
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

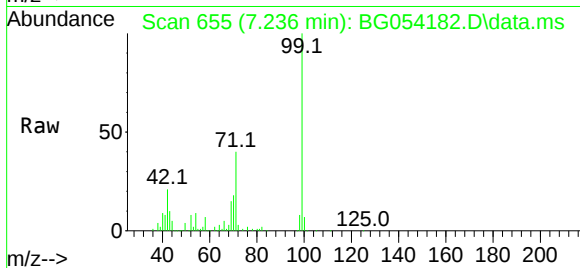
Tgt Ion:112 Resp: 91958
Ion Ratio Lower Upper
112 100
64 62.7 55.1 82.7
63 36.6 30.4 45.6





#7
Phenol-d6
Concen: 74.056 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

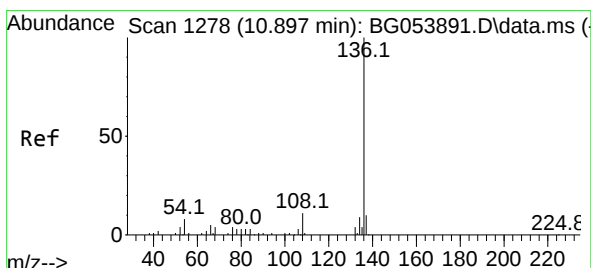
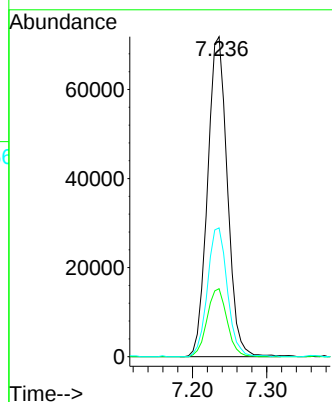
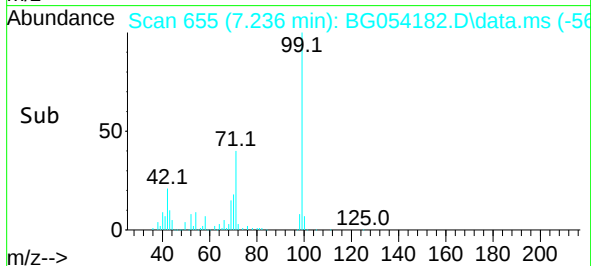
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022



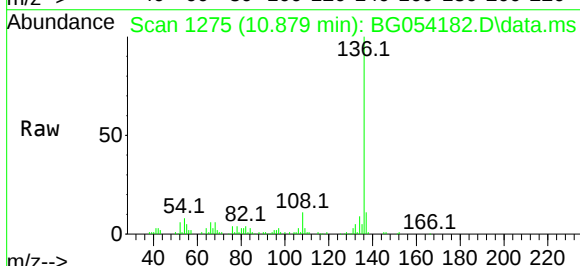
Tgt Ion: 99 Resp: 13318
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 40.3 33.8 50.8

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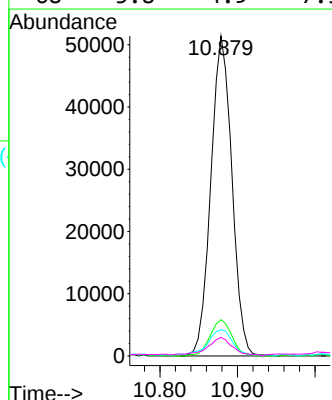
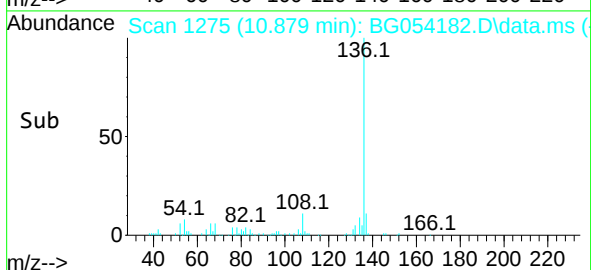
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24



Tgt Ion:136 Resp: 96890
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 8.1 7.4 11.2
68 5.8 4.9 7.3





#23
Nitrobenzene-d5
Concen: 54.137 ng
RT: 9.228 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Instrument :

BNA_G

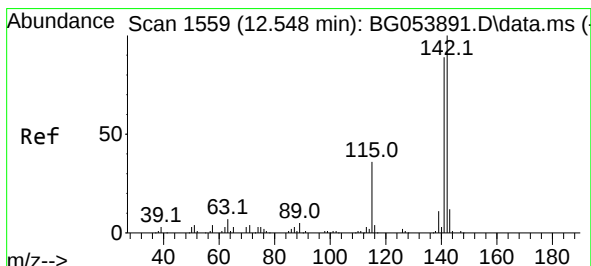
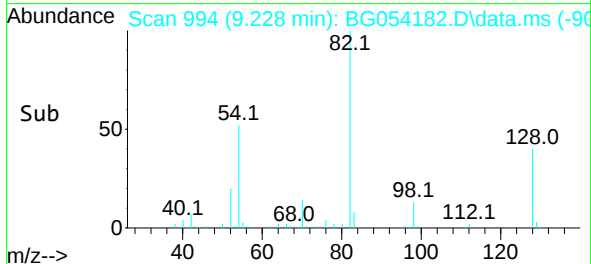
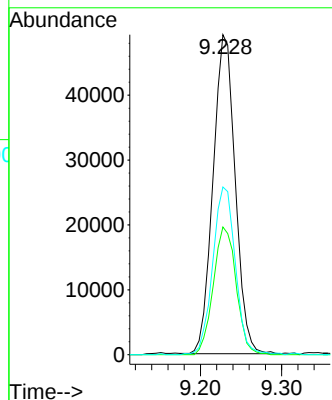
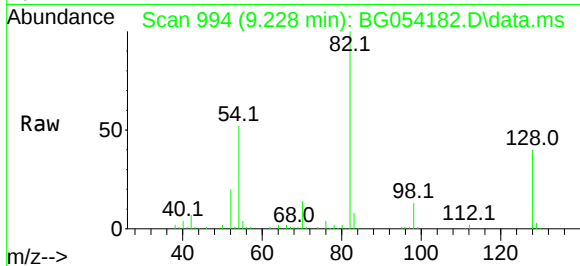
ClientSampleId :

HR-03-06292022

Tgt Ion: 82 Resp: 93339
Ion Ratio Lower Upper
82 100
128 39.9 27.9 41.9
54 52.4 41.2 61.8

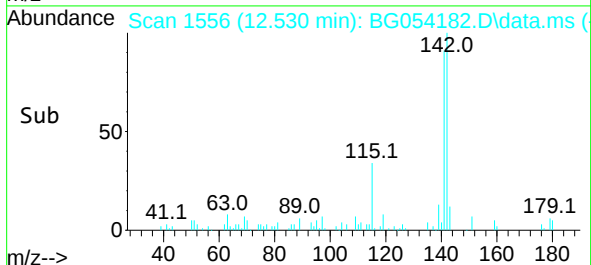
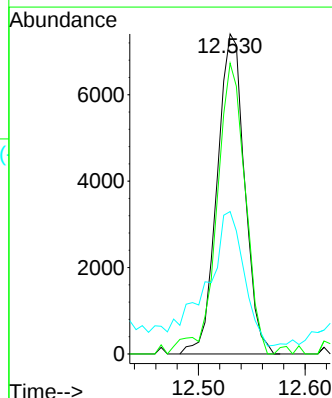
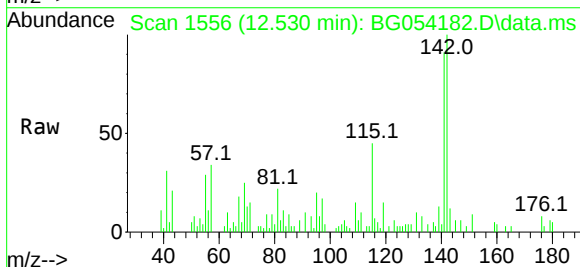
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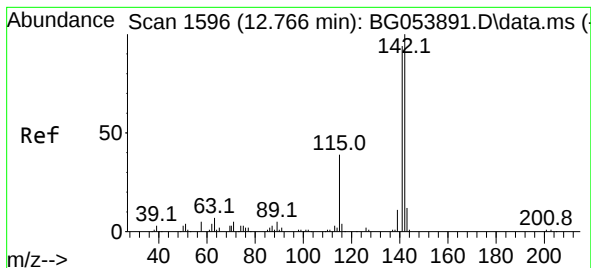
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#37
2-Methylnaphthalene
Concen: 3.662 ng
RT: 12.530 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion:142 Resp: 13254
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5
115 44.5 33.7 50.5





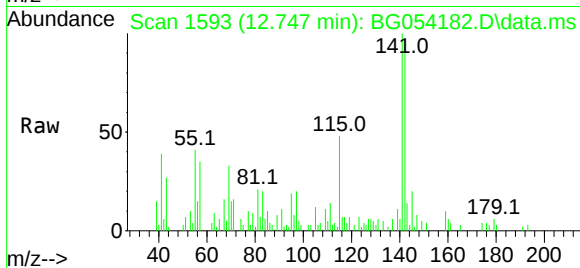
#38
1-Methylnaphthalene
Concen: 3.937 ng
RT: 12.747 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Instrument :

BNA_G

ClientSampleId :

HR-03-06292022

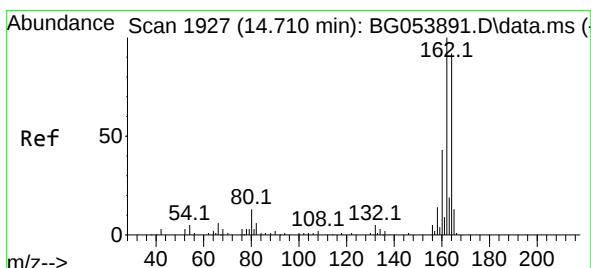
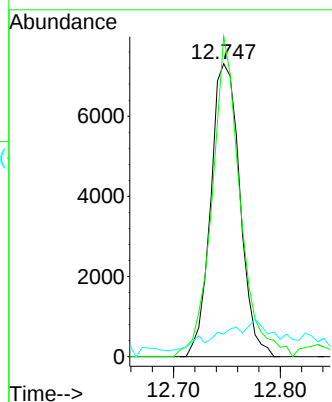
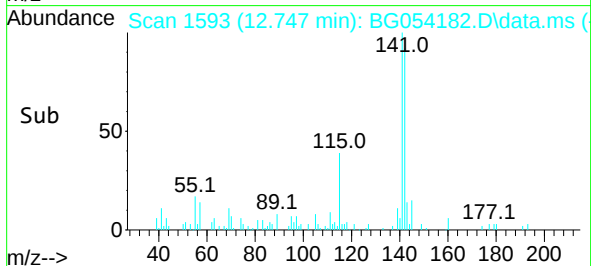


Tgt Ion:142 Resp: 13874
Ion Ratio Lower Upper
142 100
141 109.2 76.4 114.6
116 7.8 3.3 4.9

Manual Integrations

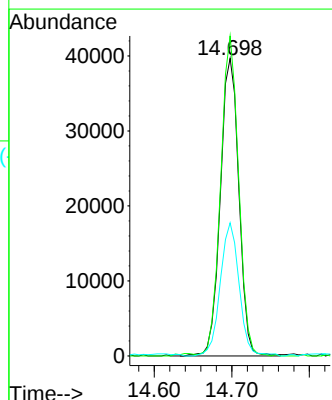
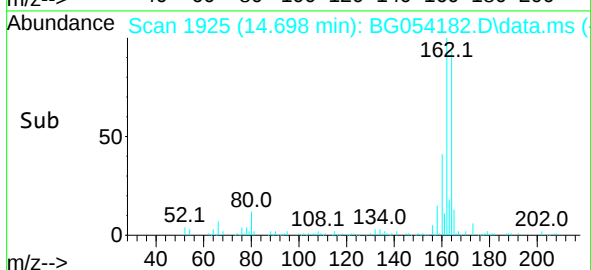
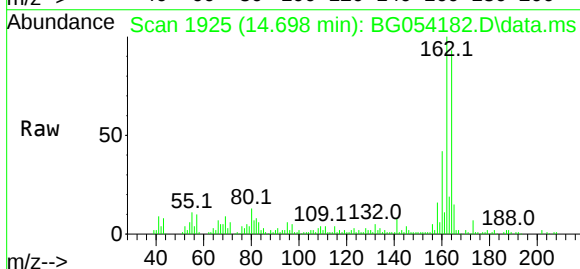
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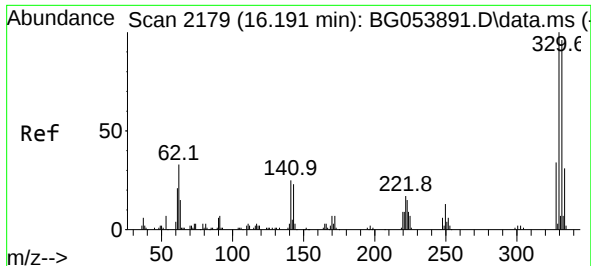
Reviewed By :Christian Giraldo 07/01/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.698 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion:164 Resp: 66080
Ion Ratio Lower Upper
164 100
162 107.5 82.3 123.5
160 44.7 34.2 51.2





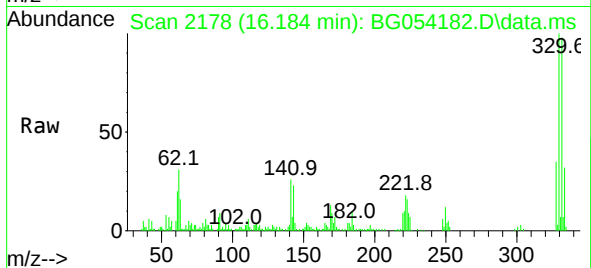
#42
2,4,6-Tribromophenol
Concen: 71.304 ng
RT: 16.184 min Scan# 2179
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Instrument :

BNA_G

ClientSampleId :

HR-03-06292022

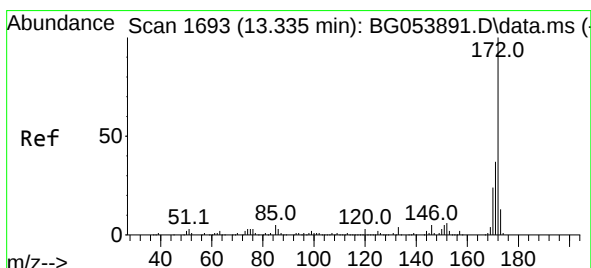
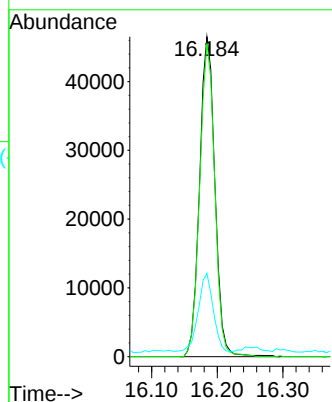
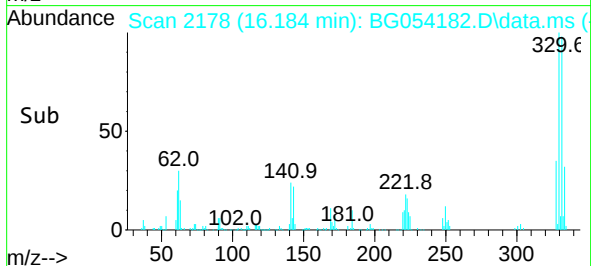


Tgt Ion:330 Resp: 75700
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 24.2 27.1 40.7

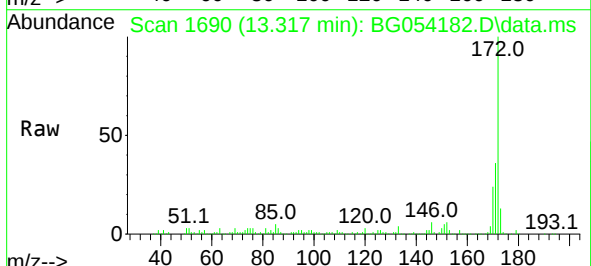
Manual Integrations

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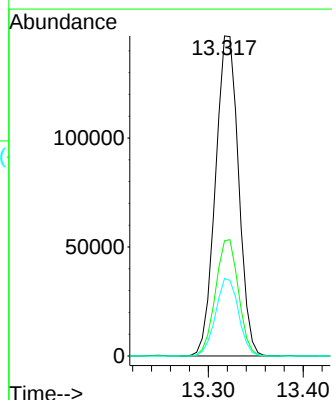
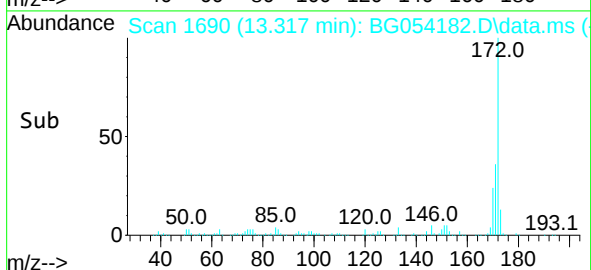
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022

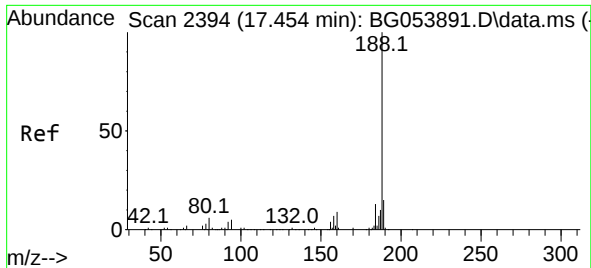


#45
2-Fluorobiphenyl
Concen: 54.736 ng
RT: 13.317 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24



Tgt Ion:172 Resp: 248738
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.2 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.442 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Instrument :

BNA_G

ClientSampleId :

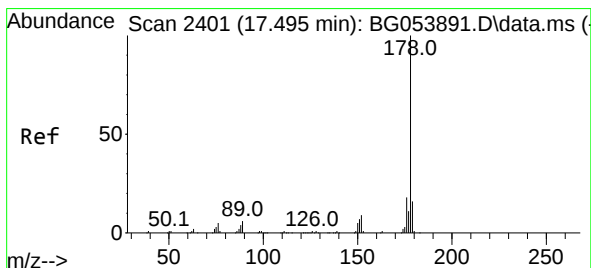
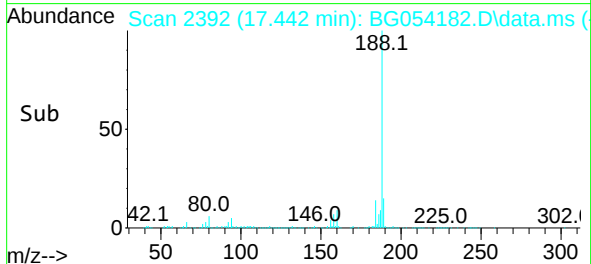
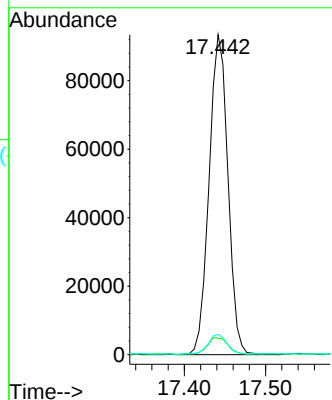
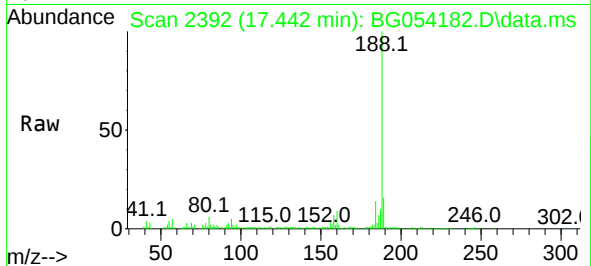
HR-03-06292022

Tgt Ion:188 Resp: 15030
Ion Ratio Lower Upper
188 100
94 5.2 5.4 8.0
80 6.3 6.8 10.2

Manual Integrations

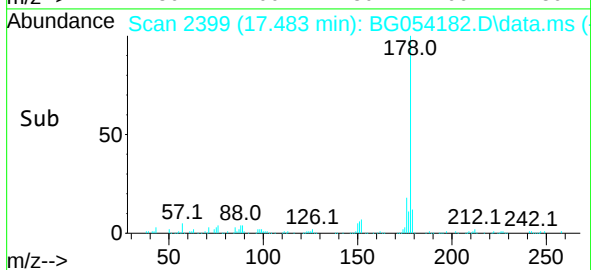
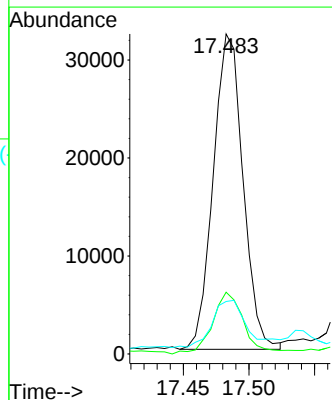
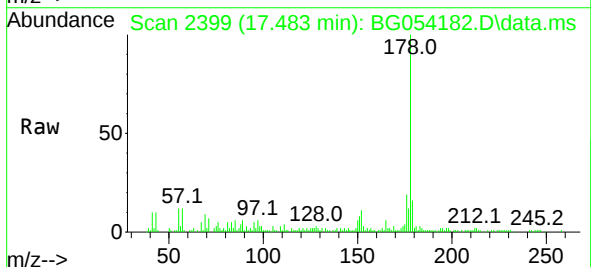
APPROVED

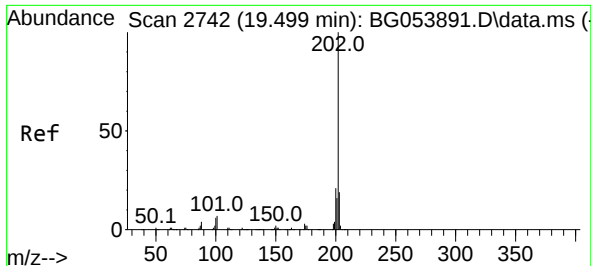
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#71
Phenanthrene
Concen: 6.580 ng
RT: 17.483 min Scan# 2399
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

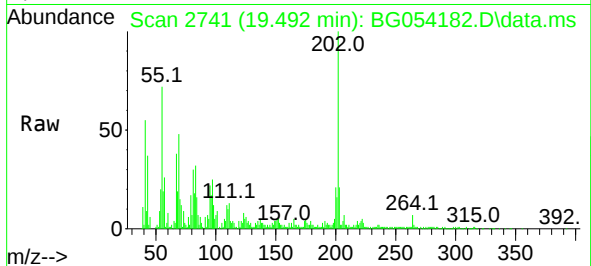
Tgt Ion:178 Resp: 50808
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 16.4 12.1 18.1





#75
Fluoranthene
Concen: 7.925 ng
RT: 19.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

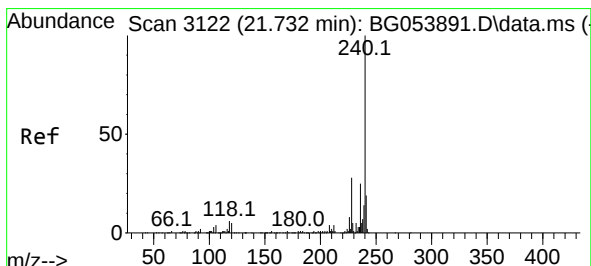
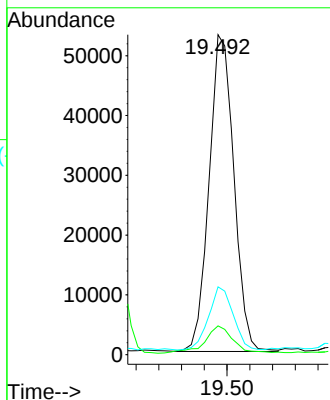
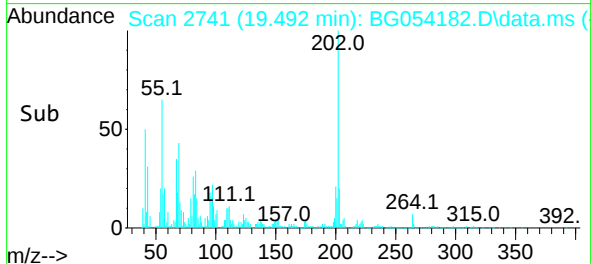
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022



Tgt Ion:202 Resp: 80334
Ion Ratio Lower Upper
202 100
101 9.0 0.0 26.9
203 21.2 0.0 37.2

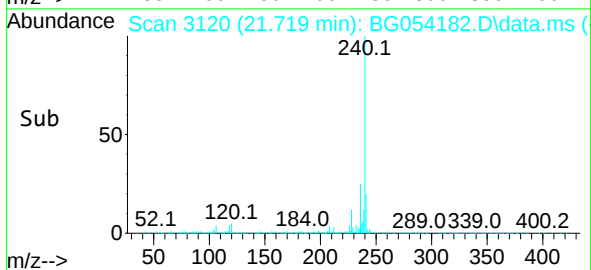
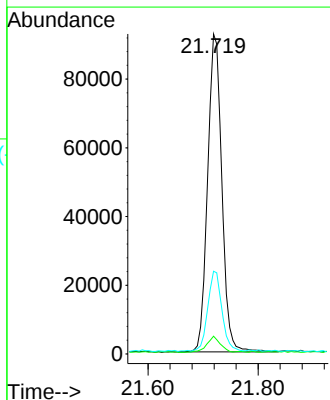
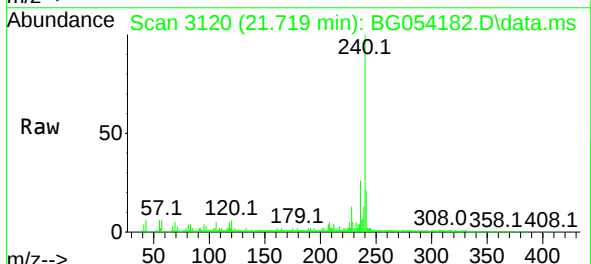
Manual Integrations
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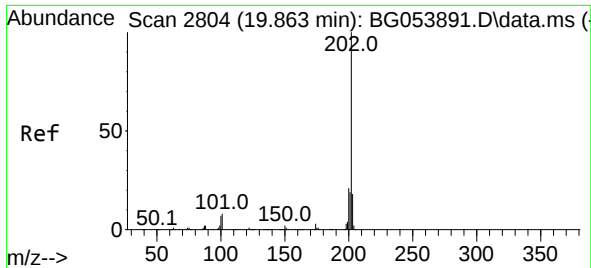
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.719 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

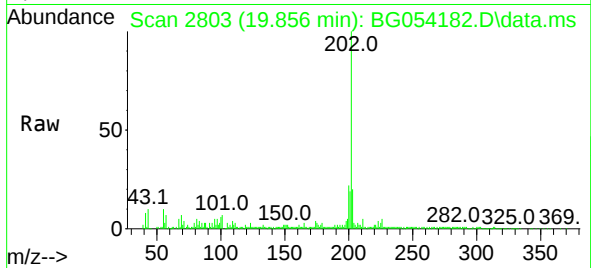
Tgt Ion:240 Resp: 166131
Ion Ratio Lower Upper
240 100
120 5.6 4.6 7.0
236 25.8 20.2 30.4





#78
 Pyrene
 Concen: 10.389 ng
 RT: 19.856 min Scan# 2803
 Delta R.T. 0.006 min
 Lab File: BG054182.D
 Acq: 30 Jun 2022 23:24

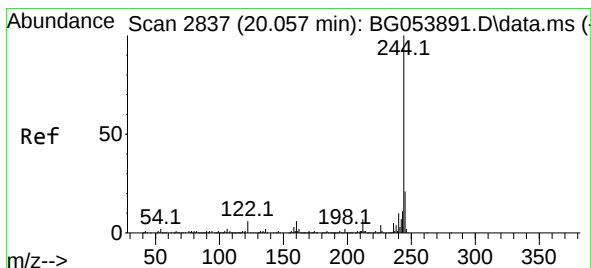
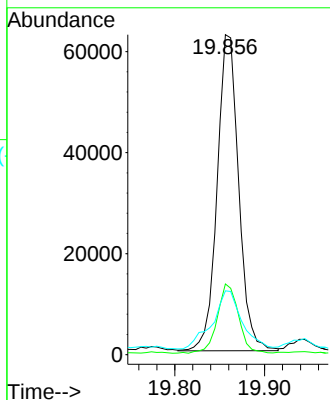
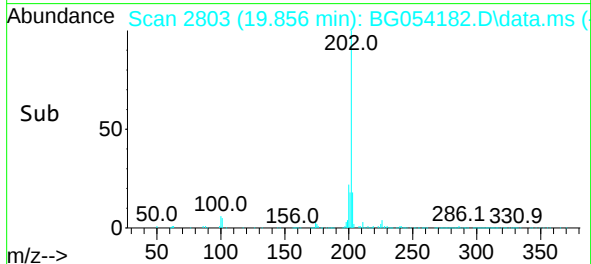
Instrument :
 BNA_G
 ClientSampleId :
 HR-03-06292022



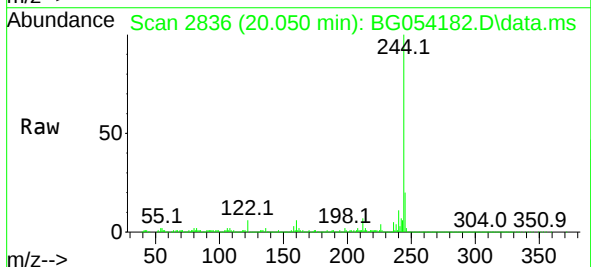
Tgt Ion:202 Resp: 104240
 Ion Ratio Lower Upper
 202 100
 200 22.1 16.6 24.8
 203 20.0 14.6 21.8

Manual Integrations
 APPROVED

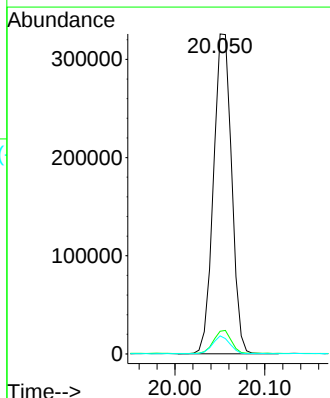
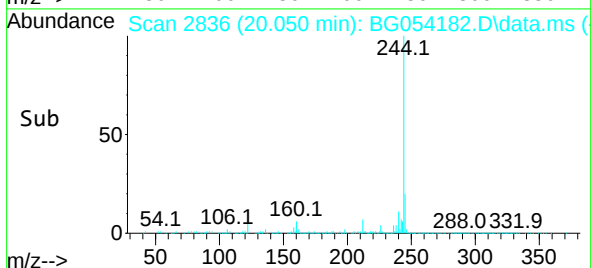
Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022

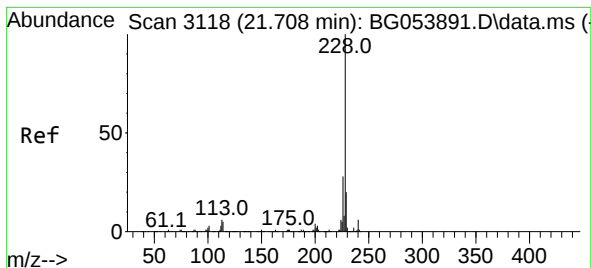


#79
 Terphenyl-d14
 Concen: 55.266 ng
 RT: 20.050 min Scan# 2836
 Delta R.T. 0.006 min
 Lab File: BG054182.D
 Acq: 30 Jun 2022 23:24



Tgt Ion:244 Resp: 455863
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 5.7 5.0 7.4





#81

Benzo(a)anthracene

Concen: 5.032 ng

RT: 21.701 min Scan# 3118

Delta R.T. 0.006 min

Lab File: BG054182.D

Acq: 30 Jun 2022 23:24

Instrument :

BNA_G

ClientSampleId :

HR-03-06292022

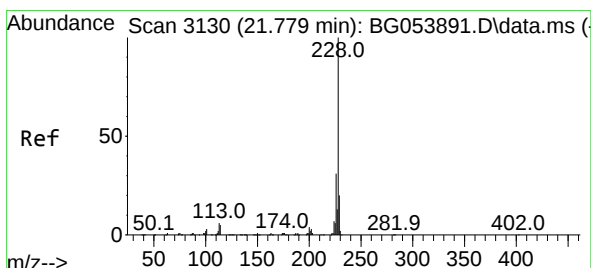
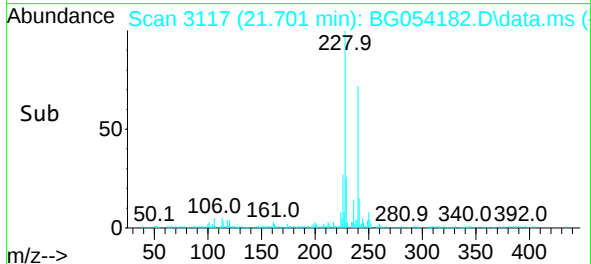
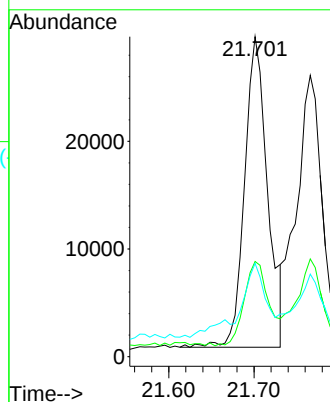
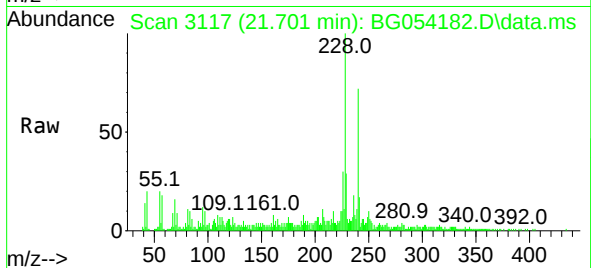
Tgt Ion:	228	Resp:	5412
Ion Ratio	Lower	Upper	
228	100		
226	29.7	21.6	32.4
229	29.1	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/01/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#83

Chrysene

Concen: 5.174 ng

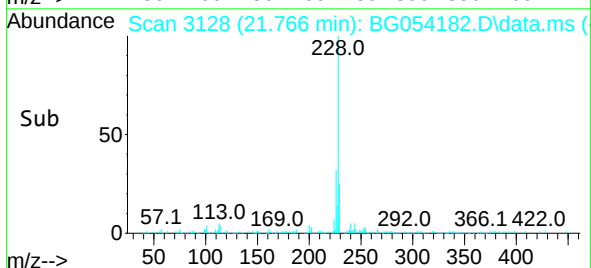
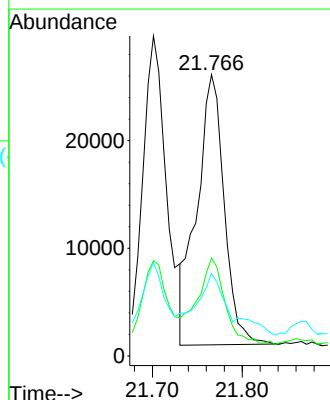
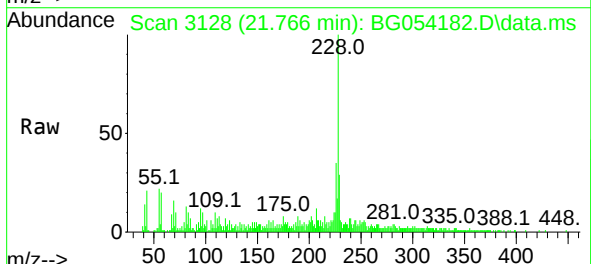
RT: 21.766 min Scan# 3128

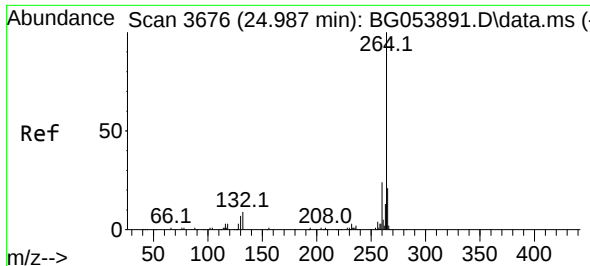
Delta R.T. 0.006 min

Lab File: BG054182.D

Acq: 30 Jun 2022 23:24

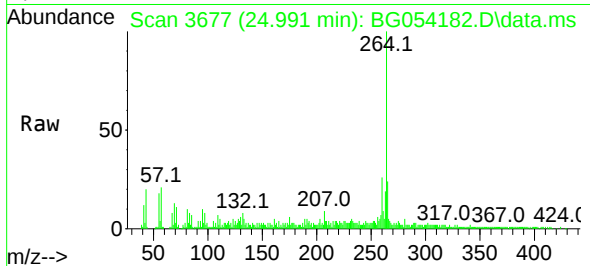
Tgt Ion:	228	Resp:	53052
Ion Ratio	Lower	Upper	
228	100		
226	34.8	23.4	35.2
229	29.3	15.5	23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.991 min Scan# 30
Delta R.T. 0.029 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

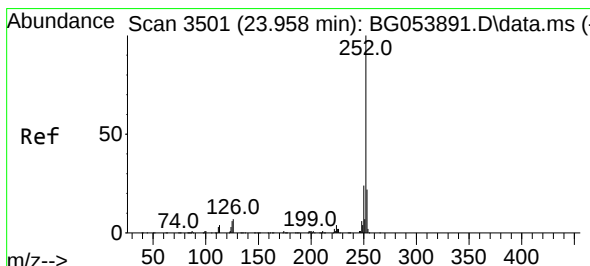
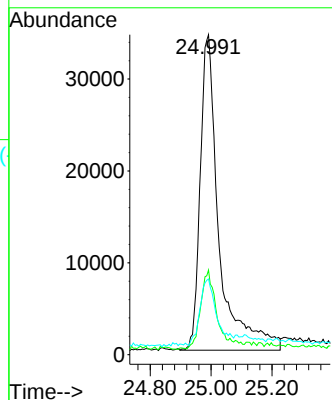
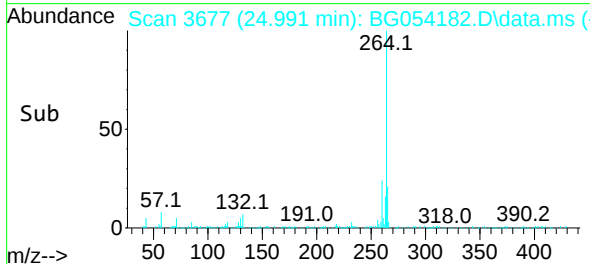
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022



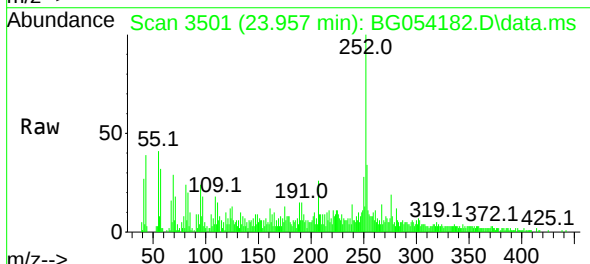
Tgt Ion:264 Resp: 14767
Ion Ratio Lower Upper
264 100
260 26.4 19.0 28.6
265 23.6 17.4 26.2

Manual Integrations
APPROVED

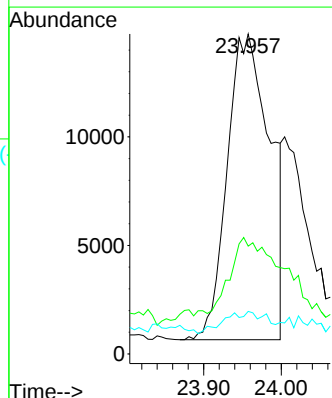
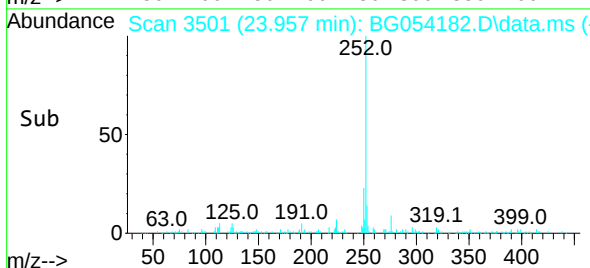
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022

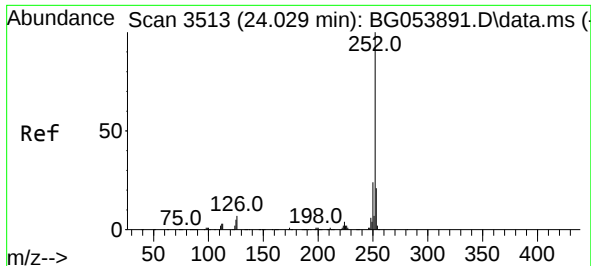


#88
Benzo(b)fluoranthene
Concen: 6.006 ng
RT: 23.957 min Scan# 3501
Delta R.T. 0.023 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24



Tgt Ion:252 Resp: 53929
Ion Ratio Lower Upper
252 100
253 33.7 18.0 27.0#
125 13.3 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 2.610 ng m

RT: 24.004 min Scan# 3513

Delta R.T. -0.000 min

Lab File: BG054182.D

Acq: 30 Jun 2022 23:24

Instrument :

BNA_G

ClientSampleId :

HR-03-06292022

Tgt Ion:252 Resp: 23198

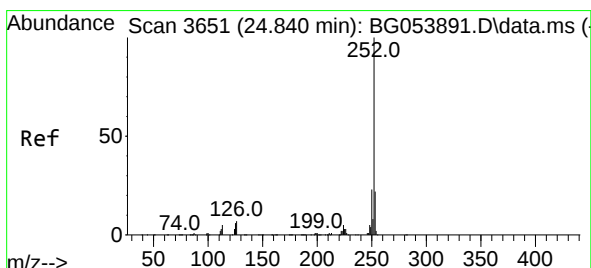
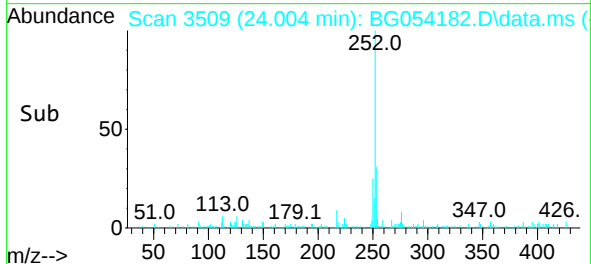
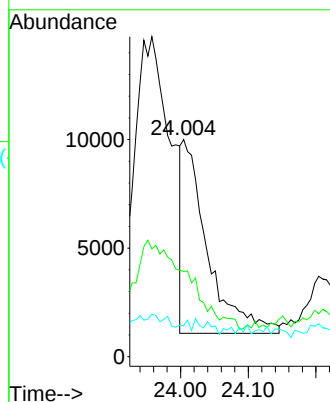
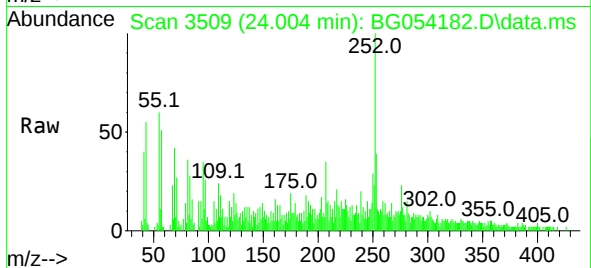
Ion	Ratio	Lower	Upper
252	100		
253	39.3	18.4	27.6
125	14.3	4.8	7.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/01/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#90

Benzo(a)pyrene

Concen: 5.413 ng

RT: 24.827 min Scan# 3649

Delta R.T. 0.012 min

Lab File: BG054182.D

Acq: 30 Jun 2022 23:24

Tgt Ion:252 Resp: 41009

Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.8	26.8
125	12.9	4.3	6.5

