

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054368.D
 Acq On : 22 Jul 2022 20:46
 Operator : CG/JU
 Sample : N3830-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HS-SOIL-0721

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 00:12:37 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	7.995	152	24978	20.000	ng	0.00
21) Naphthalene-d8	10.803	136	92566	20.000	ng	# 0.00
39) Acenaphthene-d10	14.628	164	68275	20.000	ng	0.00
64) Phenanthrene-d10	17.372	188	160422	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	176281	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	187521	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	38377	32.079	ng	0.00
7) Phenol-d6	7.172	99	51155	31.206	ng	0.00
23) Nitrobenzene-d5	9.152	82	34730	20.432	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	44685	31.172	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	107983	22.311	ng	-0.01
79) Terphenyl-d14	19.981	244	210960	23.741	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.413	178	70151	8.781	ng	96
75) Fluoranthene	19.422	202	155074	14.240	ng	95
78) Pyrene	19.787	202	154741	15.298	ng	97
81) Benzo(a)anthracene	21.614	228	96570	8.630	ng	98
83) Chrysene	21.685	228	105175m	9.948	ng	
84) Bis(2-ethylhexyl)phtha...	21.520	149	16243	3.642	ng	# 90
87) Indeno(1,2,3-cd)pyrene	28.512	276	71107	4.985	ng	# 92
88) Benzo(b)fluoranthene	23.829	252	190015m	17.134	ng	
89) Benzo(k)fluoranthene	23.882	252	56768m	5.144	ng	
90) Benzo(a)pyrene	24.687	252	114666	12.107	ng	97
92) Benzo(g,h,i)perylene	29.657	276	61572	5.318	ng	# 91

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

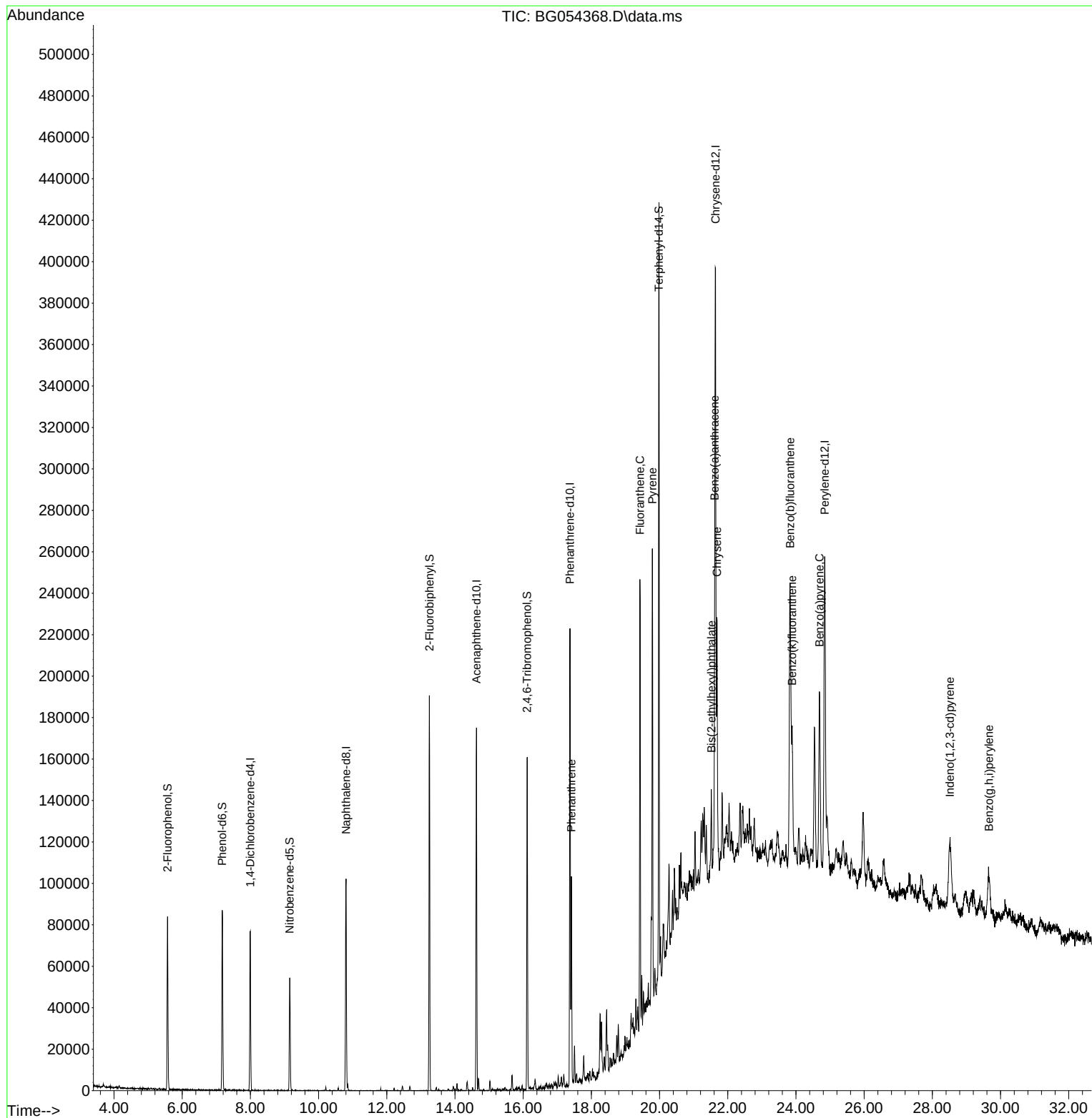
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054368.D
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ALS Vial : 13 Sample Multiplier: 1

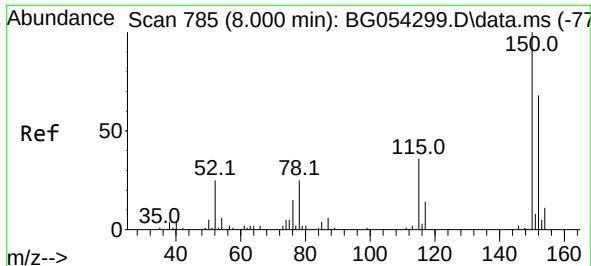
Instrument :
BNA_G
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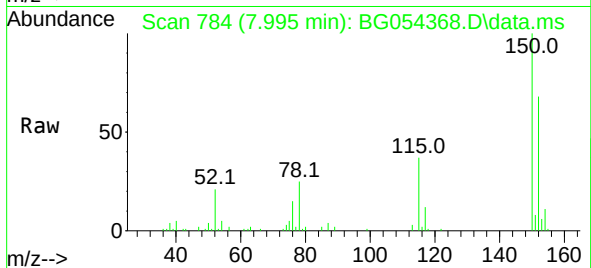
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.995 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721

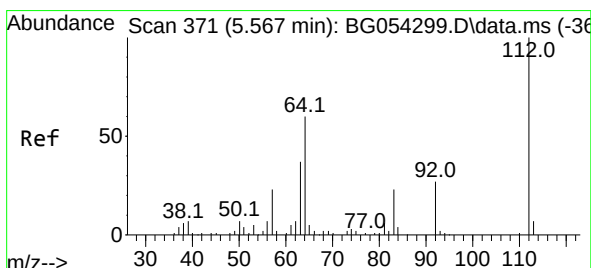
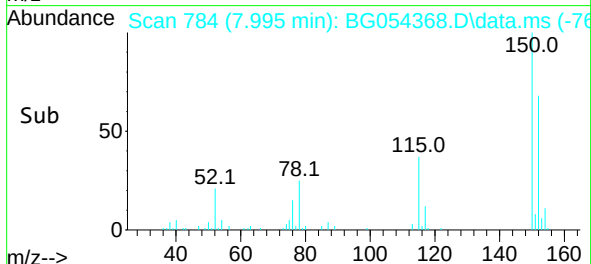
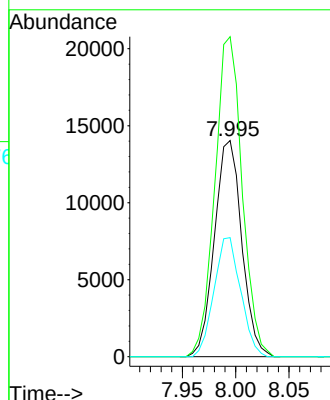


Tgt Ion:152 Resp: 24978
Ion Ratio Lower Upper
152 100
150 148.0 131.6 197.4
115 55.1 50.9 76.3

Manual Integrations

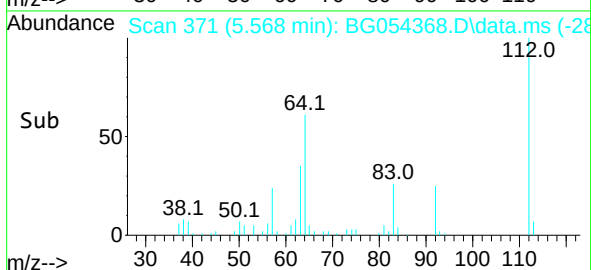
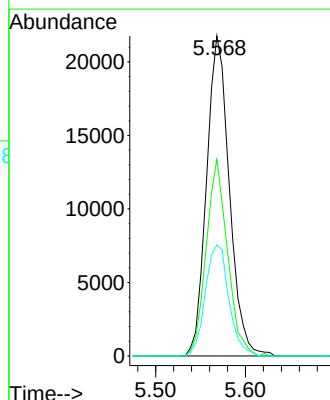
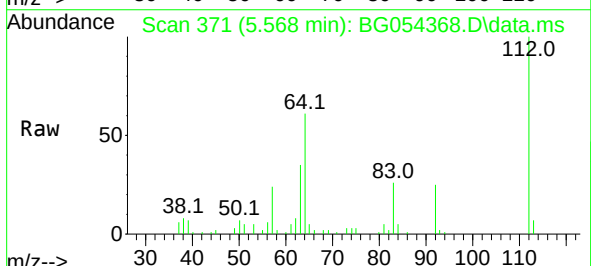
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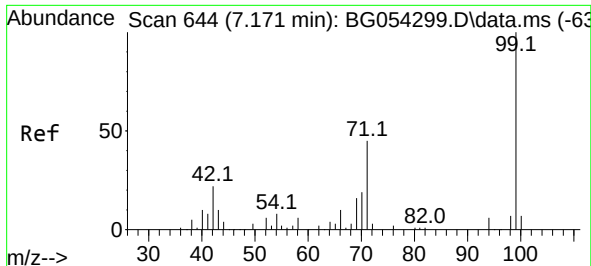
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#5
2-Fluorophenol
Concen: 32.079 ng
RT: 5.568 min Scan# 371
Delta R.T. 0.001 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

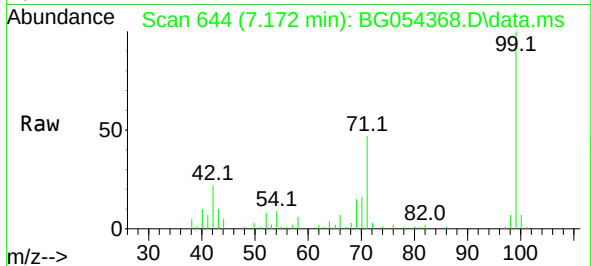
Tgt Ion:112 Resp: 38377
Ion Ratio Lower Upper
112 100
64 61.4 55.1 82.7
63 34.7 30.4 45.6





#7
Phenol-d6
Concen: 31.206 ng
RT: 7.172 min Scan# 64
Delta R.T. 0.001 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

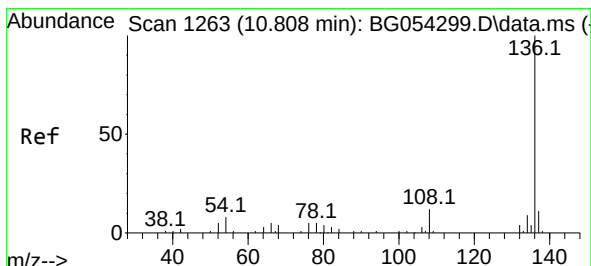
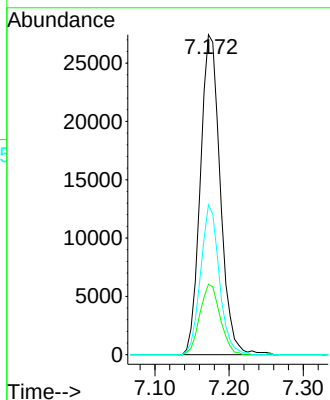
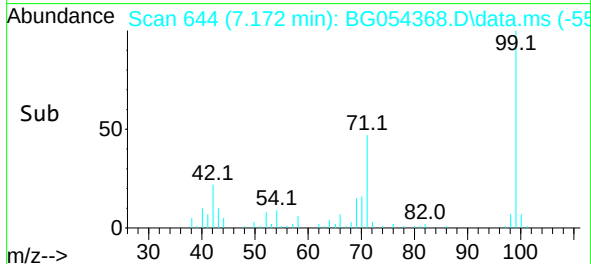
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721



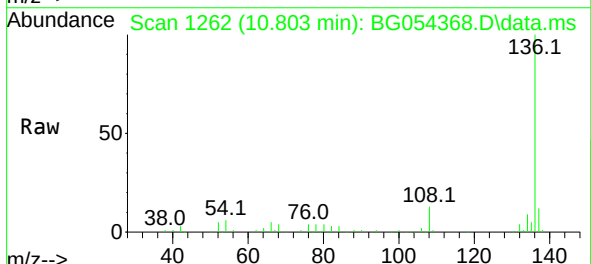
Tgt Ion: 99 Resp: 5115
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 46.8 33.8 50.8

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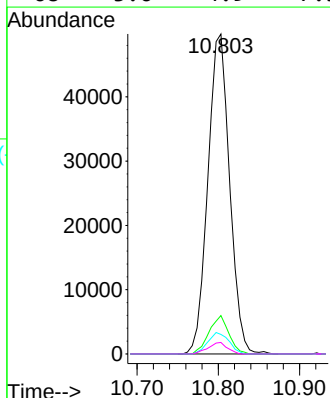
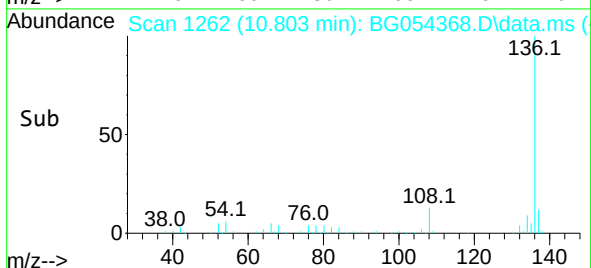
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

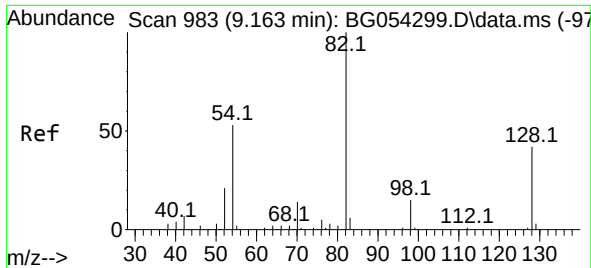


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 1262
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46



Tgt Ion:136 Resp: 92566
Ion Ratio Lower Upper
136 100
137 12.0 8.5 12.7
54 6.1 7.4 11.2#
68 3.6 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 20.432 ng
RT: 9.152 min Scan# 91
Delta R.T. -0.011 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

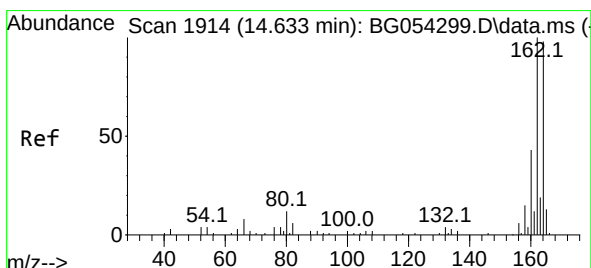
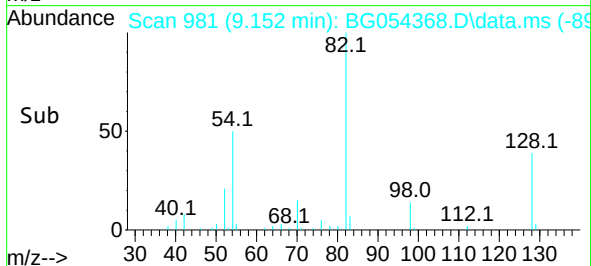
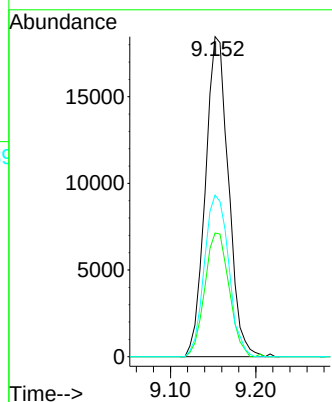
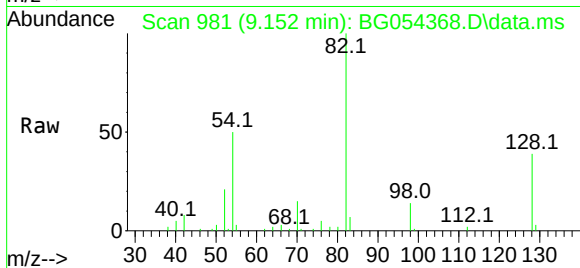
ClientSampleId :

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Tgt Ion: 82 Resp: 34730
Ion Ratio Lower Upper
82 100
128 38.7 27.9 41.9
54 50.5 41.2 61.8

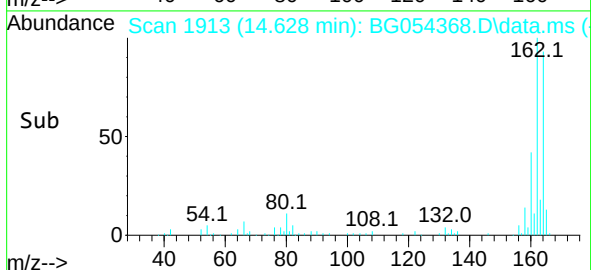
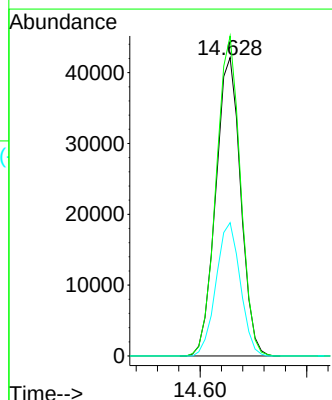
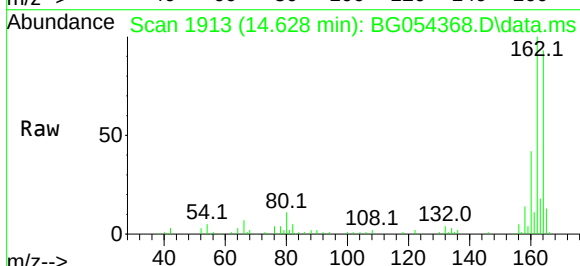
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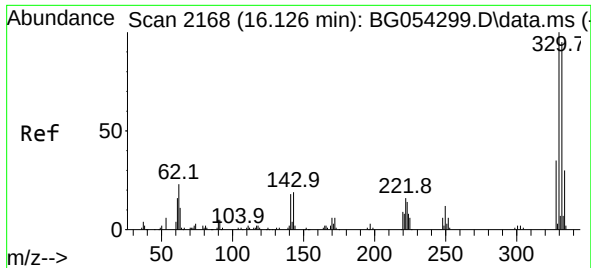
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.628 min Scan# 1913
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:164 Resp: 68275
Ion Ratio Lower Upper
164 100
162 107.3 82.3 123.5
160 44.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 31.172 ng
RT: 16.115 min Scan# 2168
Delta R.T. -0.011 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

ClientSampleId :

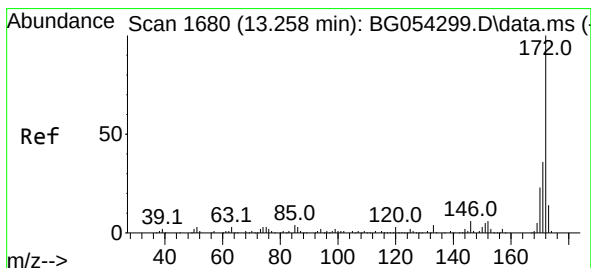
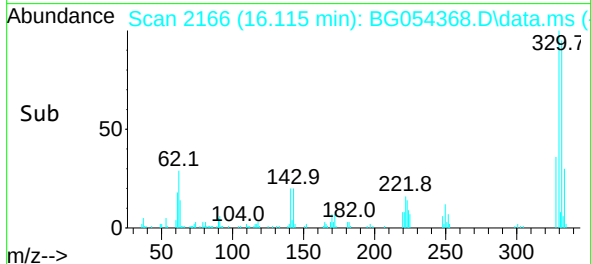
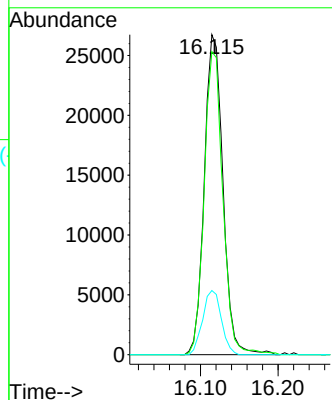
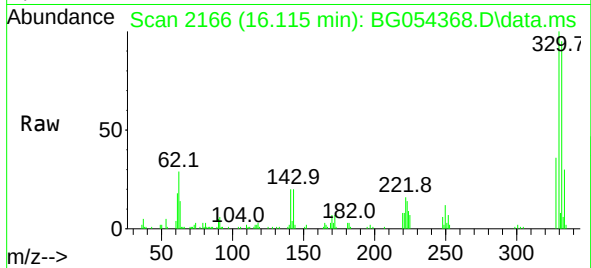
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Tgt Ion:330 Resp: 4468
Ion Ratio Lower Upper
330 100
332 94.8 76.0 114.0
141 20.1 27.1 40.7

Manual Integrations

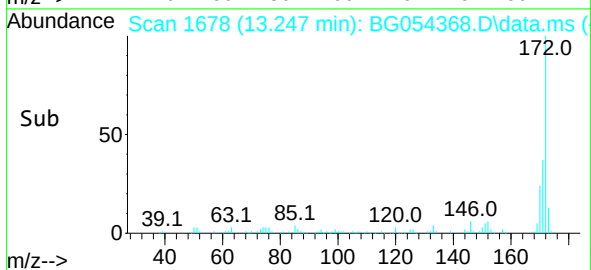
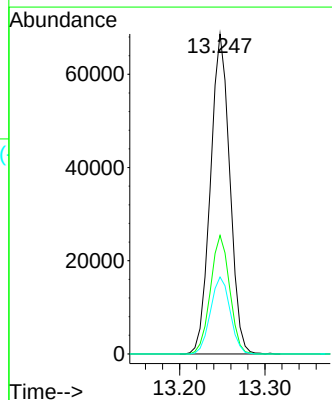
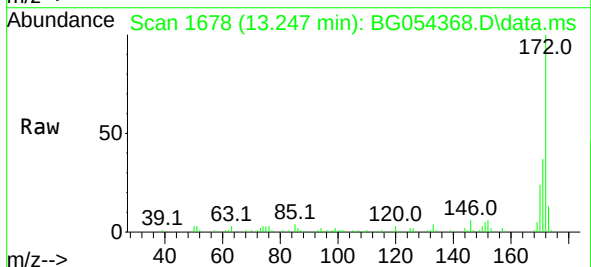
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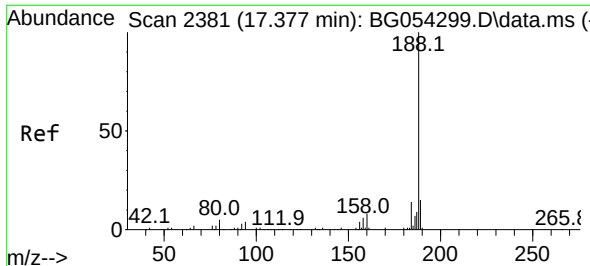
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#45
2-Fluorobiphenyl
Concen: 22.311 ng
RT: 13.247 min Scan# 1678
Delta R.T. -0.011 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

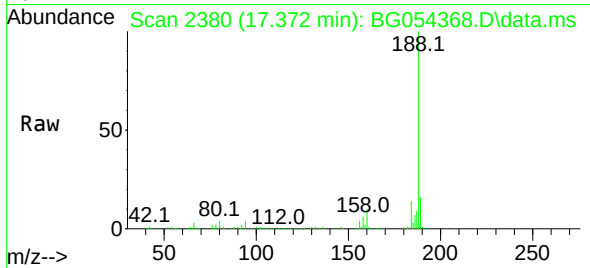
Tgt Ion:172 Resp: 107983
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.1 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

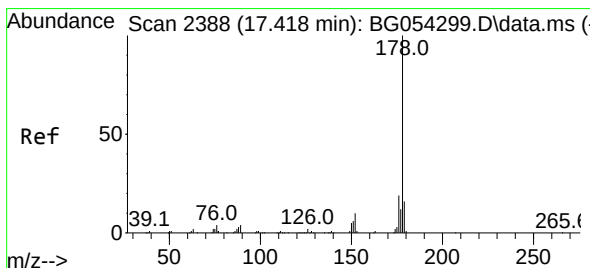
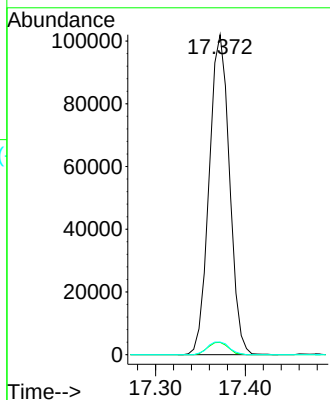
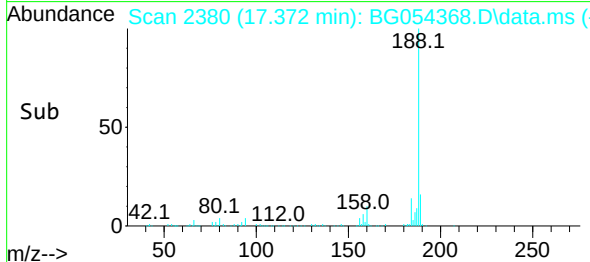
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721



Tgt Ion:188 Resp: 16042
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0
80 3.9 6.8 10.2

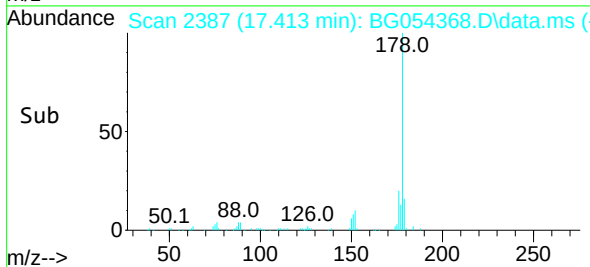
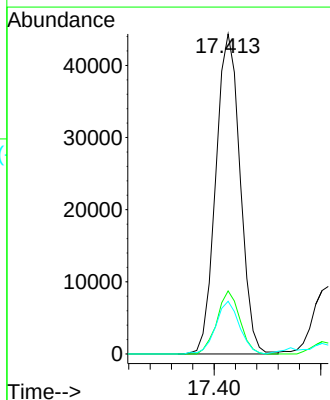
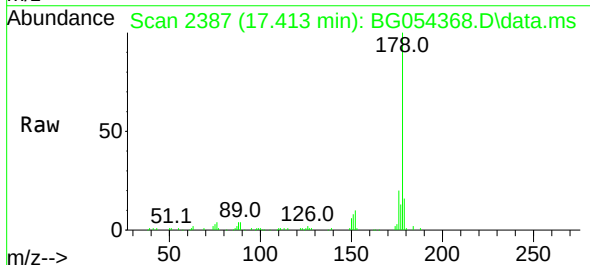
Manual Integrations
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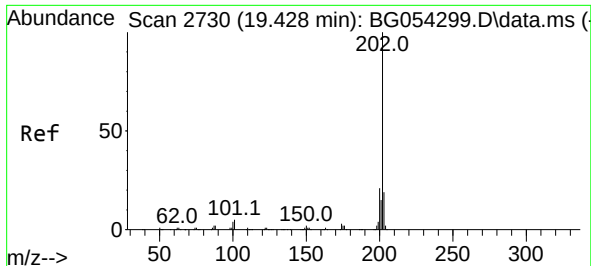
Reviewed By :Christian Giraldo 07/25/2022
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#71
Phenanthrene
Concen: 8.781 ng
RT: 17.413 min Scan# 2387
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

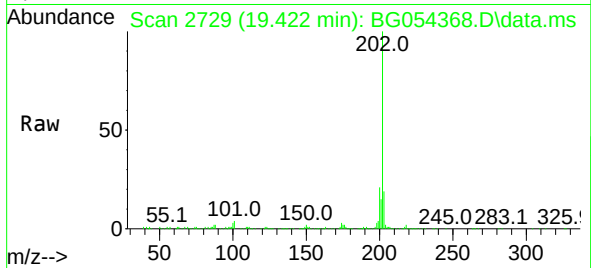
Tgt Ion:178 Resp: 70151
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.4 12.1 18.1





#75
Fluoranthene
Concen: 14.240 ng
RT: 19.422 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

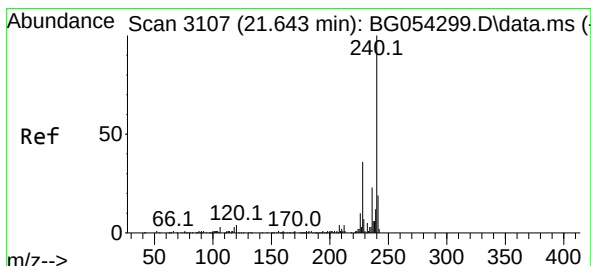
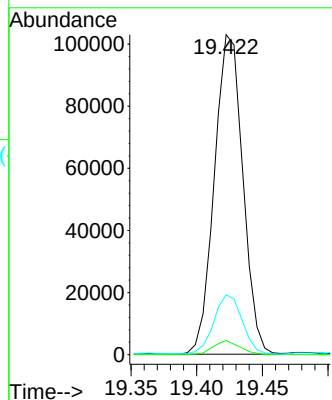
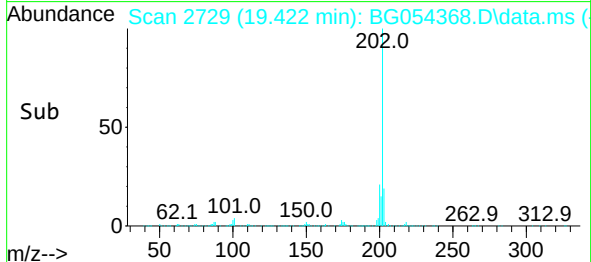
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721



Tgt Ion:202 Resp: 155074
Ion Ratio Lower Upper
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101 4.5 0.0 26.9
203 18.7 0.0 37.2

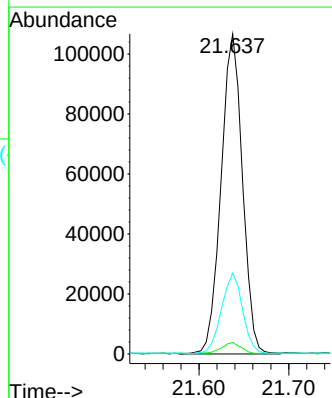
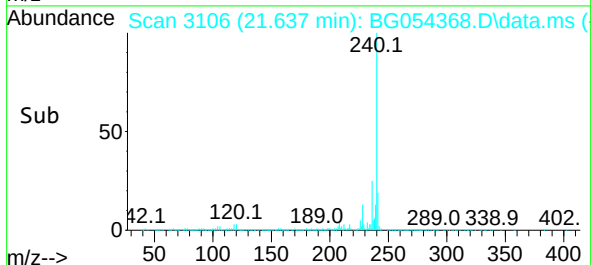
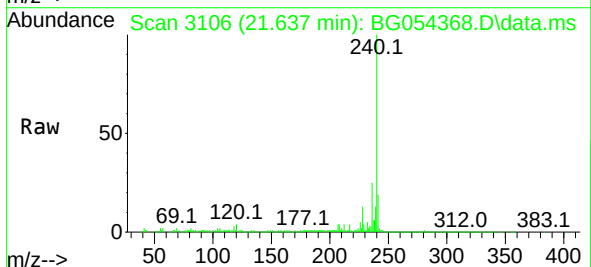
Manual Integrations
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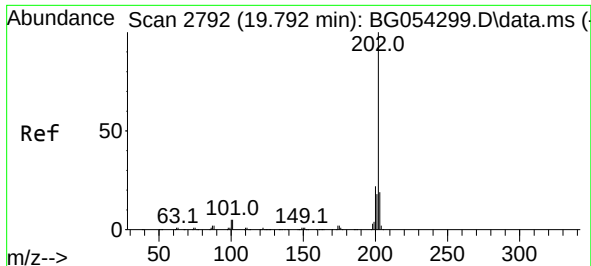
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

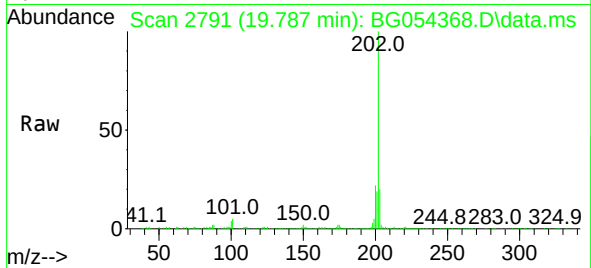
Tgt Ion:240 Resp: 176281
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 25.3 20.2 30.4





#78
 Pyrene
 Concen: 15.298 ng
 RT: 19.787 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054368.D
 Acq: 22 Jul 2022 20:46

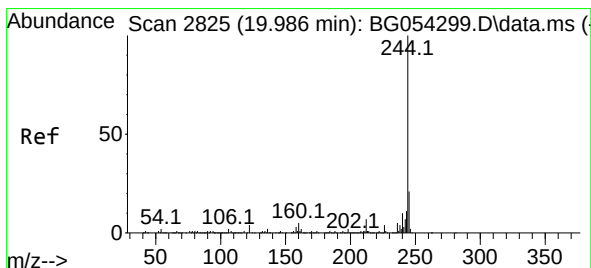
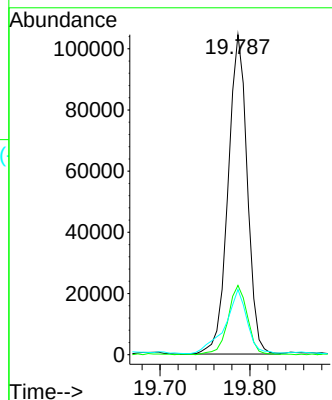
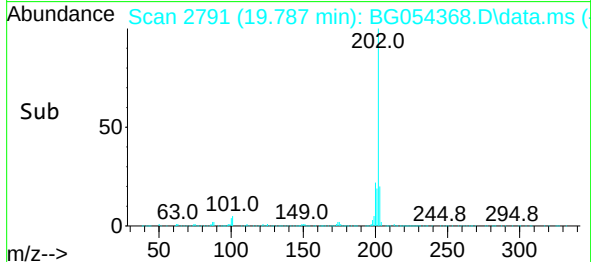
Instrument :
 BNA_G
 ClientSampleId :
 HS-SOIL-0721



Tgt Ion:202 Resp: 15474
 Ion Ratio Lower Upper
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 200 21.7 16.6 24.8
 203 20.4 14.6 21.8

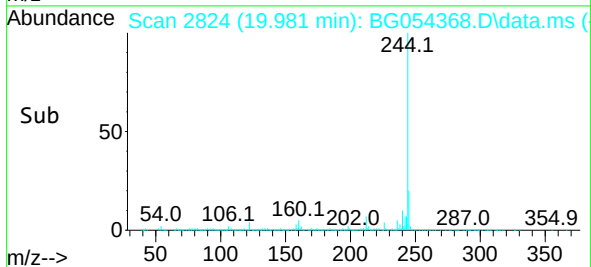
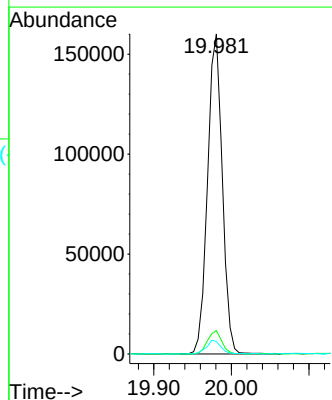
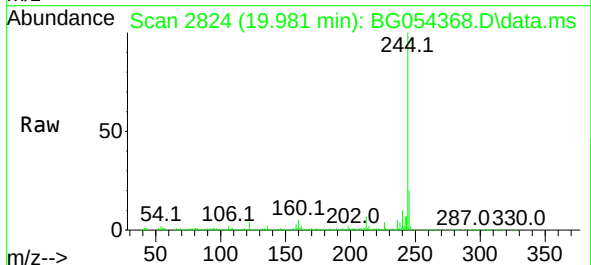
Manual Integrations
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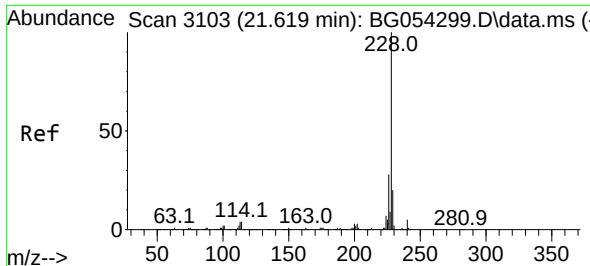
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022



#79
 Terphenyl-d14
 Concen: 23.741 ng
 RT: 19.981 min Scan# 2824
 Delta R.T. -0.005 min
 Lab File: BG054368.D
 Acq: 22 Jul 2022 20:46

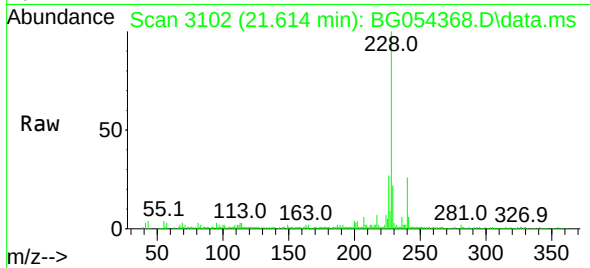
Tgt Ion:244 Resp: 210960
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 3.9 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 8.630 ng
RT: 21.614 min Scan# 3102
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

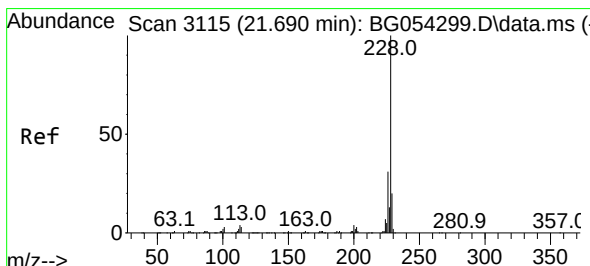
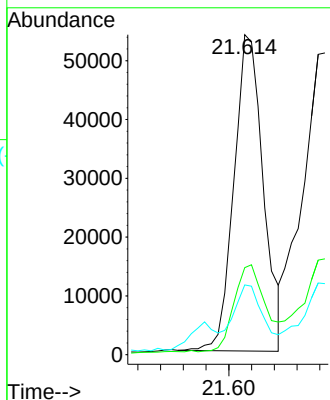
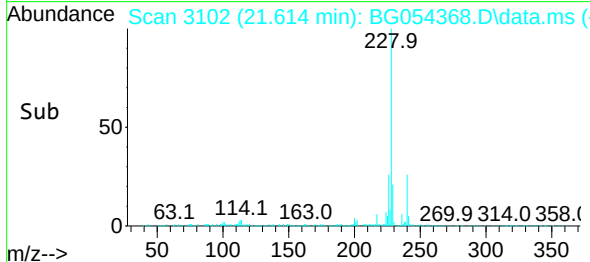
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721



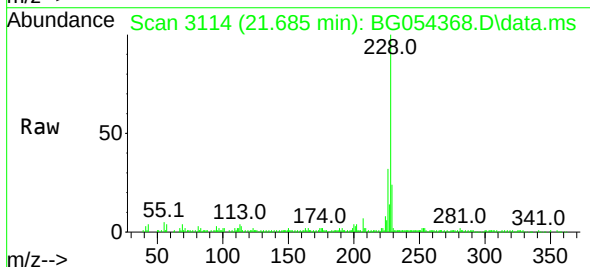
Tgt Ion:228 Resp: 96570
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 21.8 16.2 24.2

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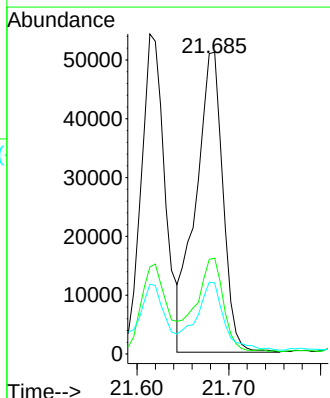
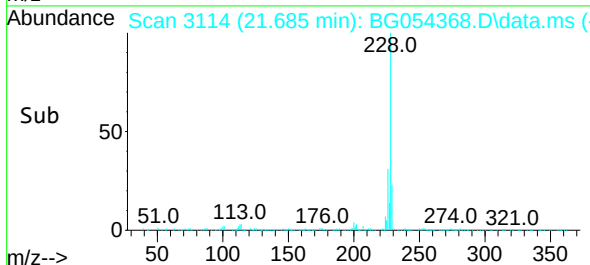
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

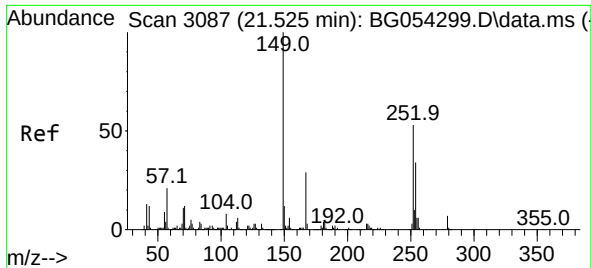


#83
Chrysene
Concen: 9.948 ng m
RT: 21.685 min Scan# 3114
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46



Tgt Ion:228 Resp: 105175
Ion Ratio Lower Upper
228 100
226 31.7 23.4 35.2
229 23.6 15.5 23.3#





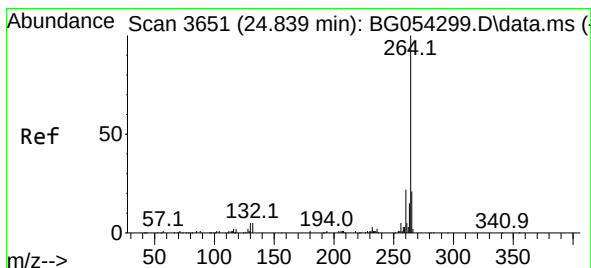
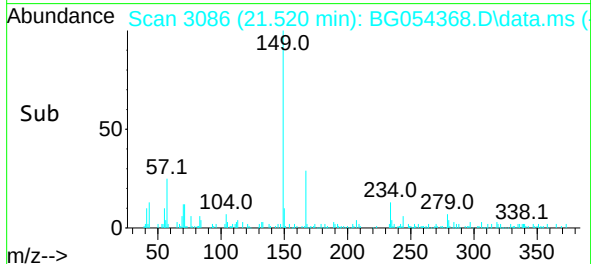
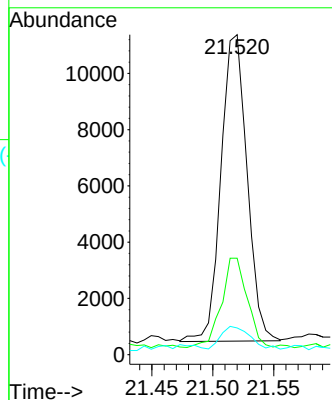
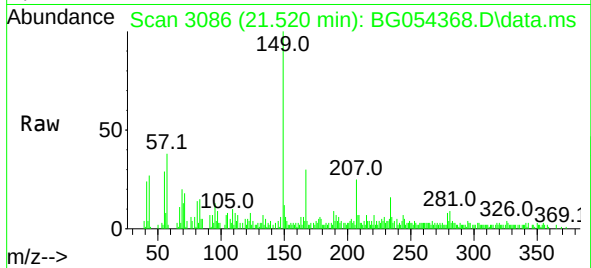
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.642 ng
RT: 21.520 min Scan# 3086
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

Tgt Ion:149 Resp: 1624
Ion Ratio Lower Upper
149 100
167 30.2 20.2 30.4
279 8.4 3.6 5.4

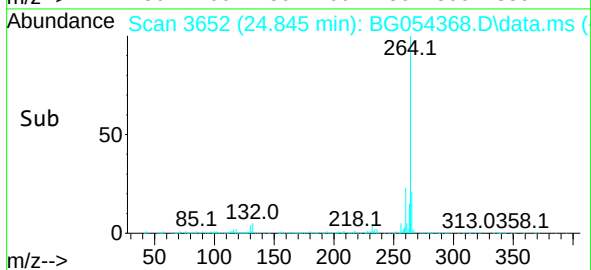
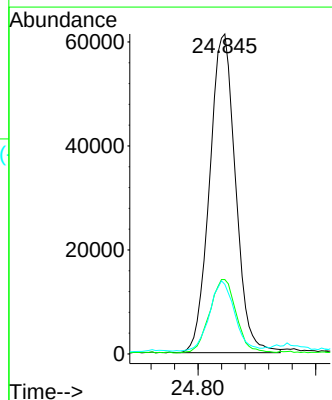
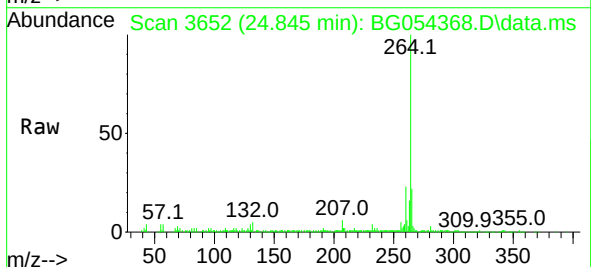
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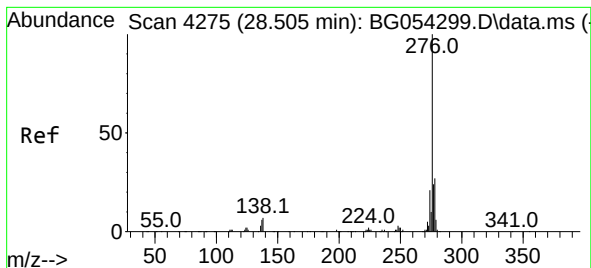
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.845 min Scan# 3652
Delta R.T. 0.007 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:264 Resp: 187521
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.985 ng

RT: 28.512 min Scan# 41

Delta R.T. 0.007 min

Lab File: BG054368.D

Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721

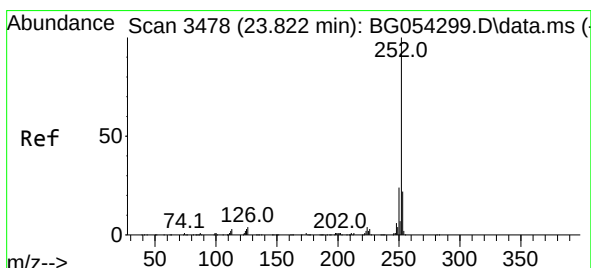
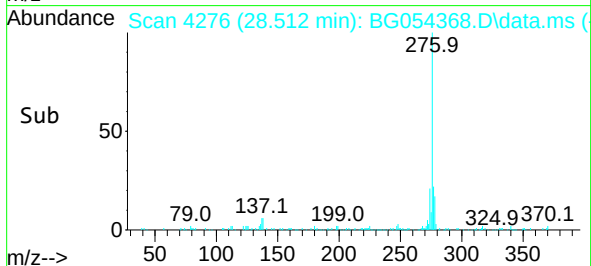
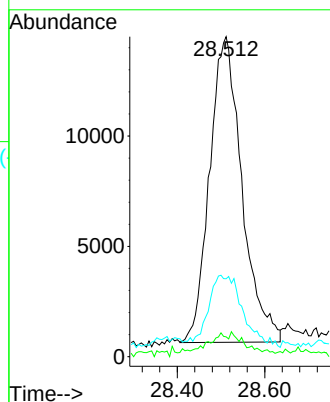
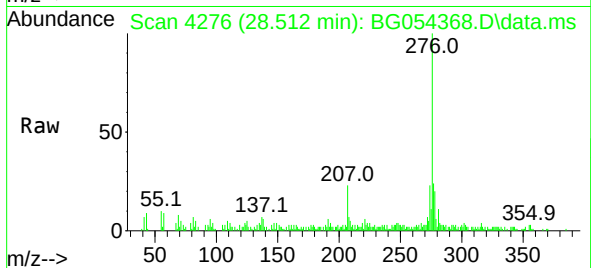
Tgt Ion:	276	Resp:	7110
Ion Ratio	Lower	Upper	
276	100		
138	3.0	5.0	7.4
277	21.8	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022



#88

Benzo(b)fluoranthene

Concen: 17.134 ng m

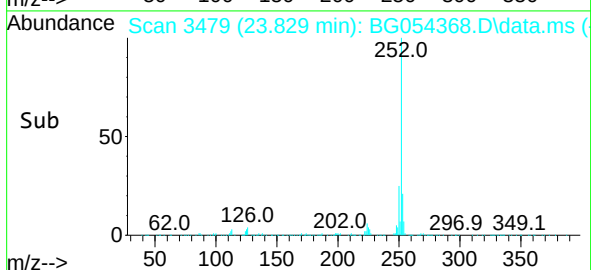
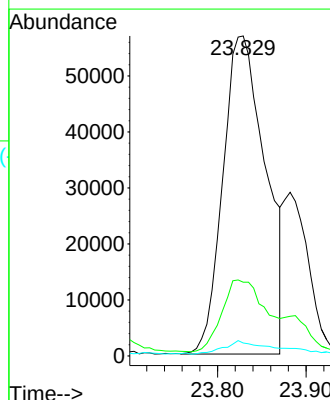
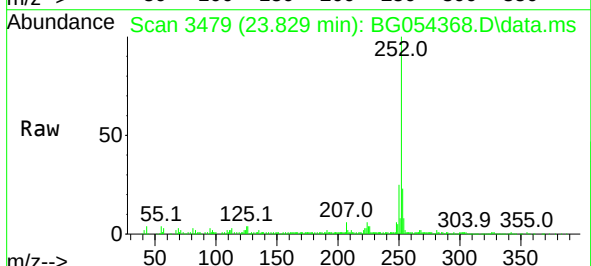
RT: 23.829 min Scan# 3479

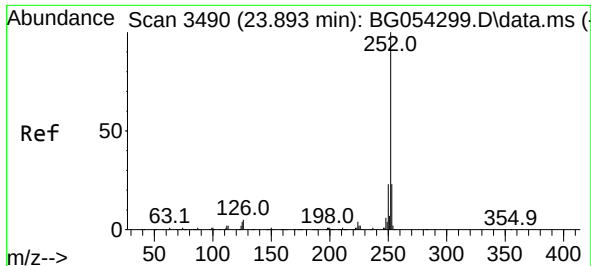
Delta R.T. 0.007 min

Lab File: BG054368.D

Acq: 22 Jul 2022 20:46

Tgt Ion:	252	Resp:	190015
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	4.0	4.6	6.8





#89
Benzo(k)fluoranthene
Concen: 5.144 ng m
RT: 23.882 min Scan# 34
Delta R.T. -0.011 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

ClientSampleId :

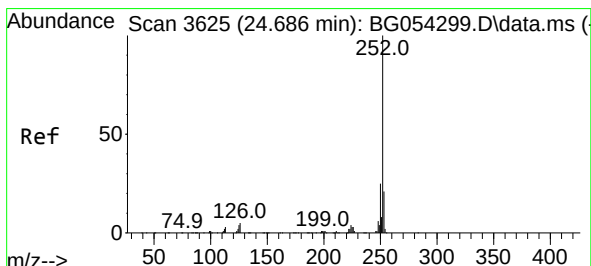
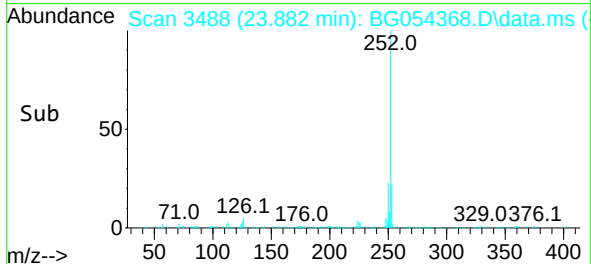
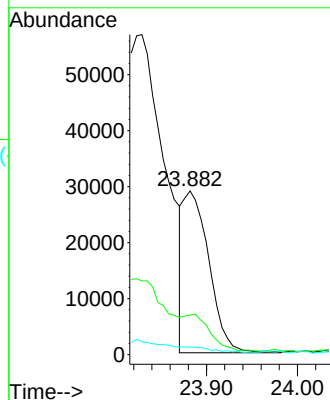
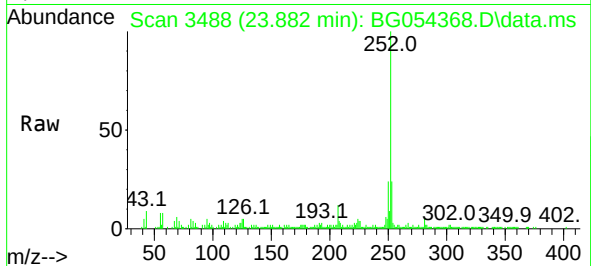
HS-SOIL-0721

Tgt Ion:252 Resp: 5676
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 4.6 4.8 7.2

Manual Integrations

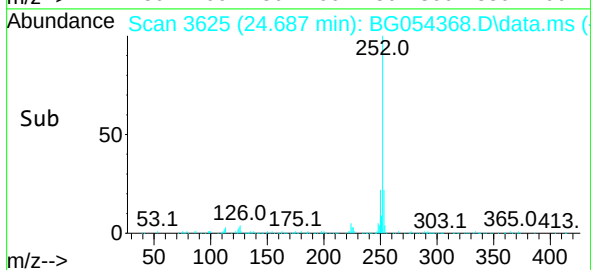
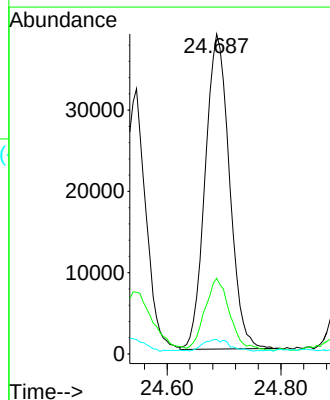
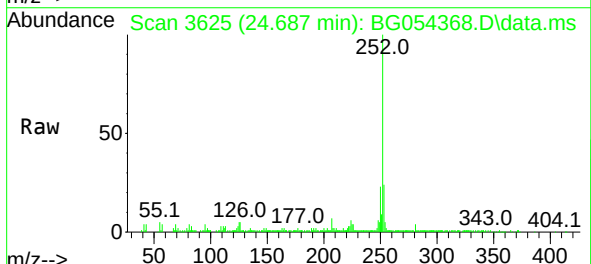
APPROVED

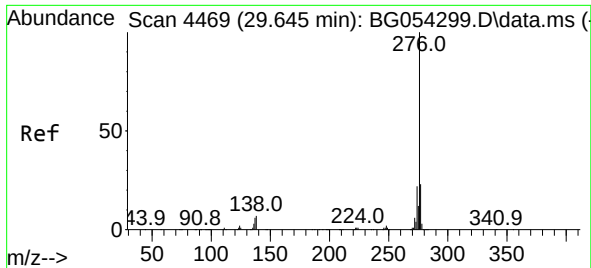
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#90
Benzo(a)pyrene
Concen: 12.107 ng
RT: 24.687 min Scan# 3625
Delta R.T. 0.001 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:252 Resp: 114666
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.5 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 5.318 ng

RT: 29.657 min Scan# 44

Delta R.T. 0.012 min

Lab File: BG054368.D

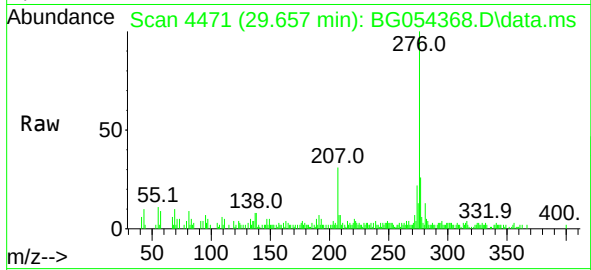
Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721



Tgt Ion:276 Resp: 61572

Ion Ratio Lower Upper

276 100

277 25.8 17.3 25.9

138 8.1 9.6 14.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022

