

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055480.D
 Acq On : 5 Nov 2022 21:46
 Operator : CG/JU
 Sample : N5430-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-1102

Manual Integrations
 APPROVED

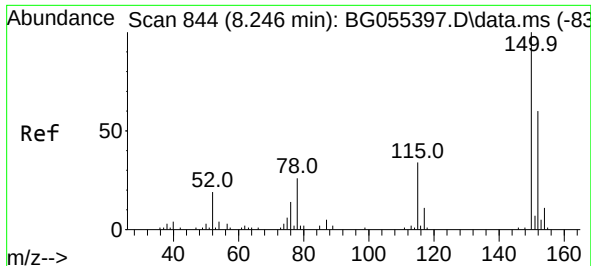
Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 07 01:00:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

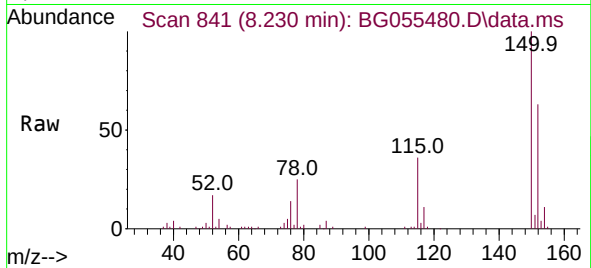
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	36486	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	152595	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	98701	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	204219	20.000	ng	0.00
76) Chrysene-d12	21.849	240	196690	20.000	ng	0.00
86) Perylene-d12	25.221	264	213698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	190564	93.796	ng	0.00
7) Phenol-d6	7.384	99	249251	88.467	ng	0.00
23) Nitrobenzene-d5	9.405	82	149121	52.082	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	116694	86.677	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	371203	55.761	ng	0.00
79) Terphenyl-d14	20.157	244	538421	53.230	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.624	178	34271	2.983	ng	99
75) Fluoranthene	19.616	202	106412	7.701	ng	98
78) Pyrene	19.975	202	112837	8.132	ng	98
80) Butylbenzylphthalate	20.827	149	166538	28.788	ng	100
81) Benzo(a)anthracene	21.831	228	61107	4.526	ng	98
83) Chrysene	21.896	228	69385m	5.386	ng	
87) Indeno(1,2,3-cd)pyrene	29.111	276	36844	2.147	ng	# 89
88) Benzo(b)fluoranthene	24.146	252	86586	6.379	ng	# 77
89) Benzo(k)fluoranthene	24.211	252	42520m	3.117	ng	
90) Benzo(a)pyrene	25.063	252	61047	5.201	ng	# 90
92) Benzo(g,h,i)perylene	30.327	276	33157	2.355	ng	# 87

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 844
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

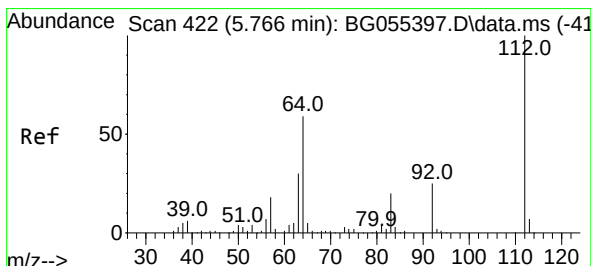
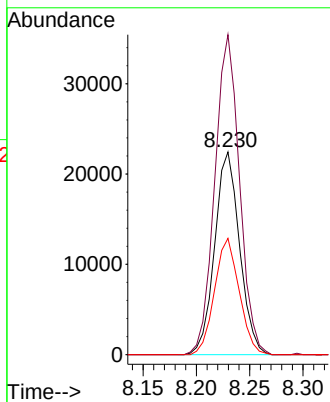
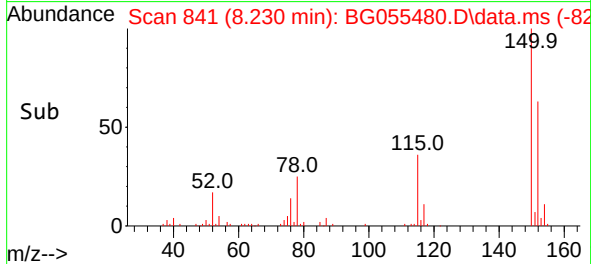
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



Tgt Ion:152 Resp: 36486
Ion Ratio Lower Upper
152 100
150 157.9 132.8 199.2
115 57.4 45.1 67.7

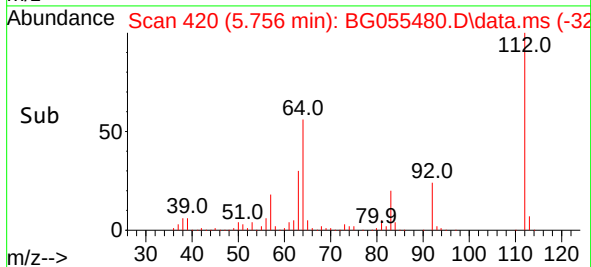
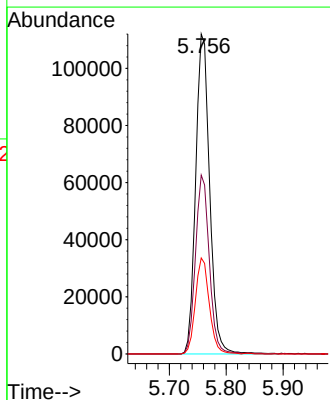
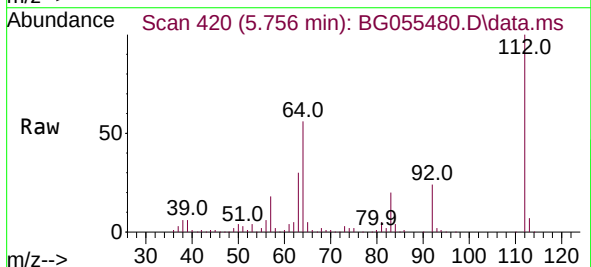
Manual Integrations
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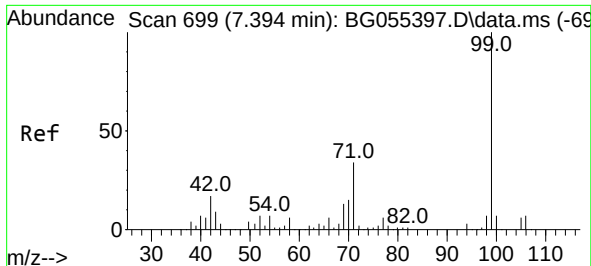
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#5
2-Fluorophenol
Concen: 93.796 ng
RT: 5.756 min Scan# 420
Delta R.T. 0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

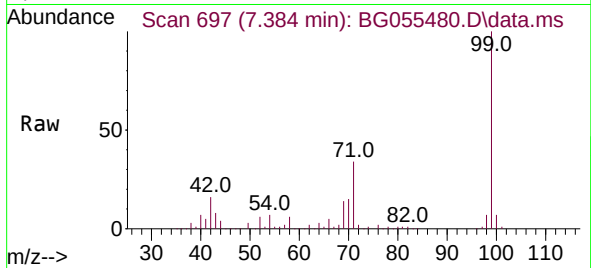
Tgt Ion:112 Resp: 190564
Ion Ratio Lower Upper
112 100
64 55.9 47.2 70.8
63 30.0 24.3 36.5





#7
Phenol-d6
Concen: 88.467 ng
RT: 7.384 min Scan# 699
Delta R.T. 0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

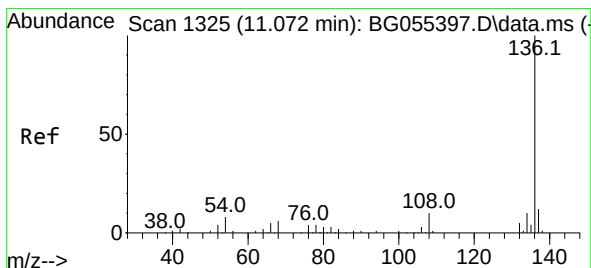
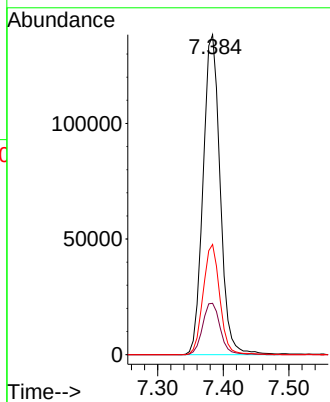
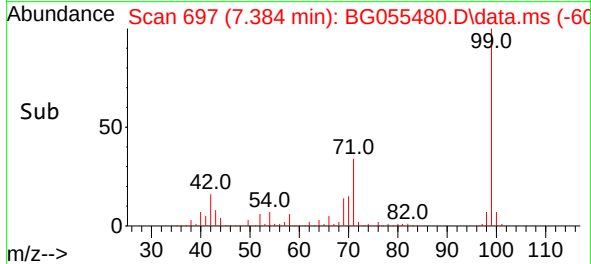
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



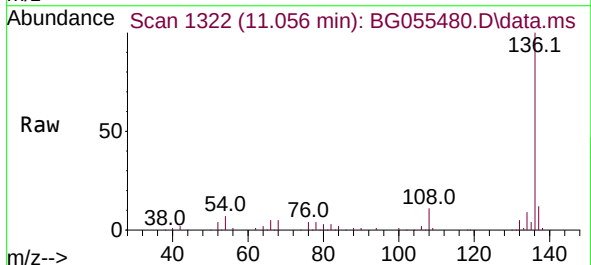
Tgt Ion: 99 Resp: 24925
Ion Ratio Lower Upper
99 100
42 16.0 13.5 20.3
71 34.4 27.4 41.0

Manual Integrations
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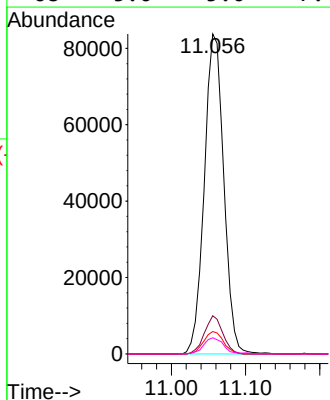
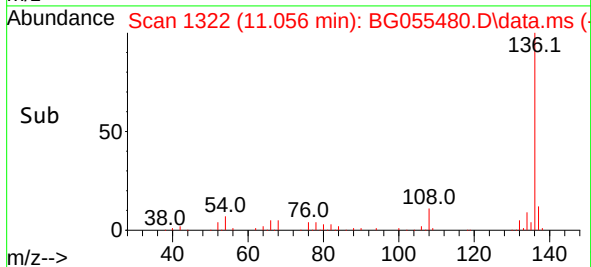
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

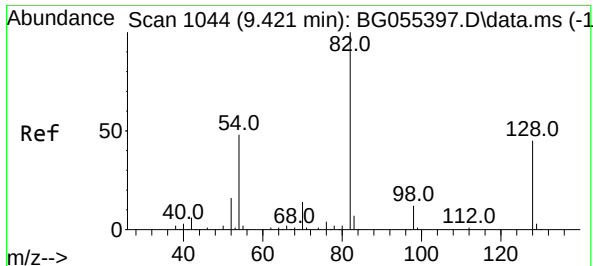


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46



Tgt Ion:136 Resp: 152595
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.2
54 7.0 6.1 9.1
68 5.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 52.082 ng

RT: 9.405 min Scan# 1041

Delta R.T. -0.000 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP-1102

Tgt Ion: 82 Resp: 14912

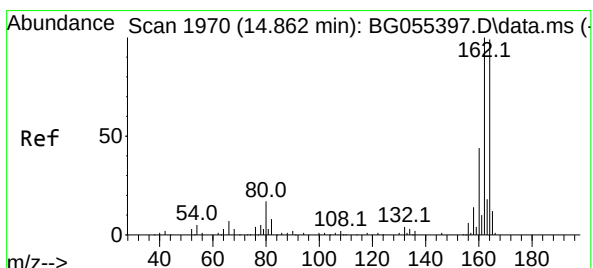
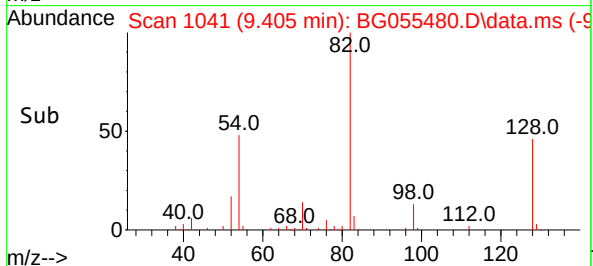
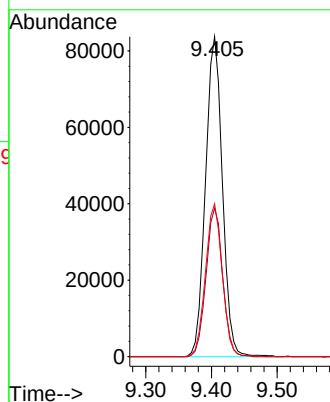
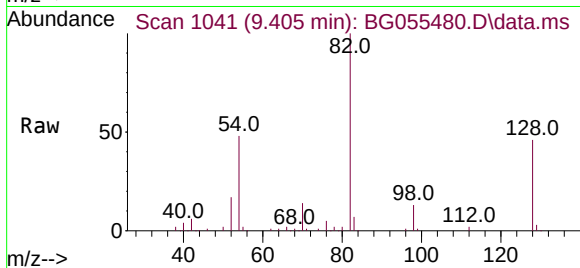
Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.8	53.8
54	47.8	38.1	57.1

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.845 min Scan# 1967

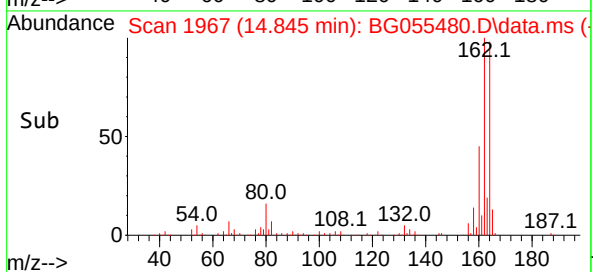
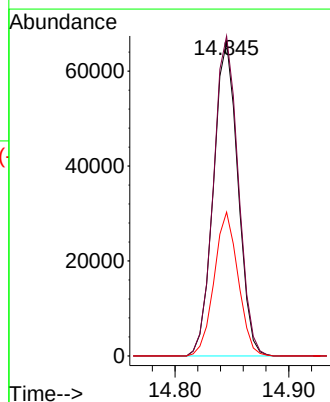
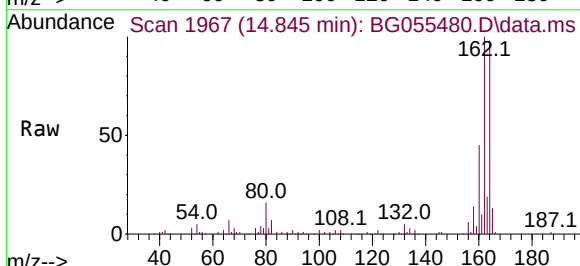
Delta R.T. -0.000 min

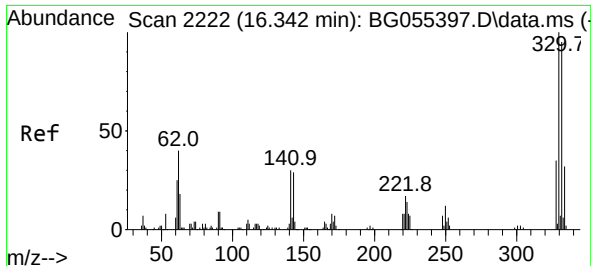
Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

Tgt Ion:164 Resp: 98701

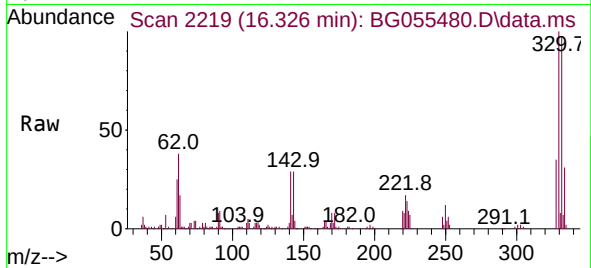
Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.1	121.7
160	45.8	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 86.677 ng
RT: 16.326 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

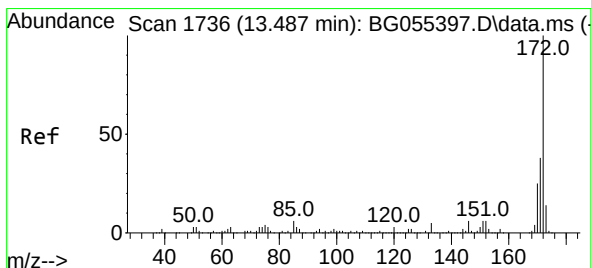
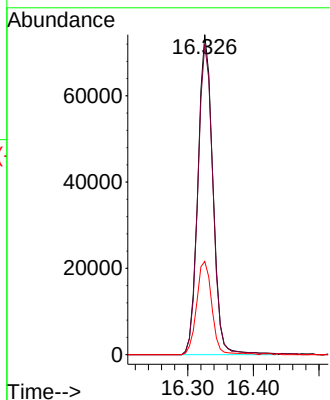
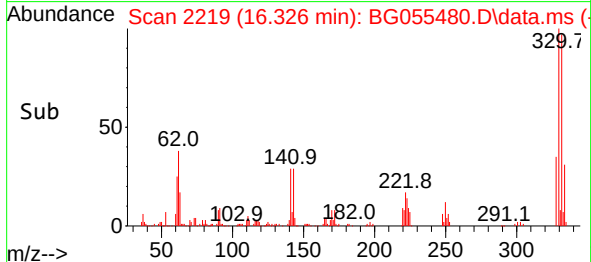
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



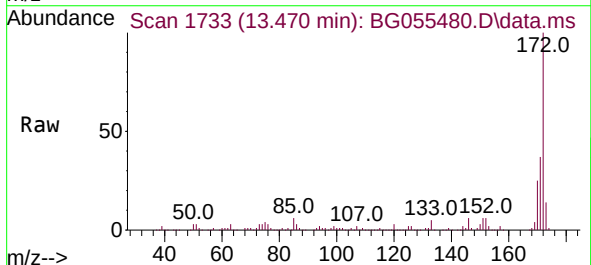
Tgt Ion:330 Resp: 116694
Ion Ratio Lower Upper
330 100
332 97.9 77.8 116.6
141 29.7 24.2 36.2

Manual Integrations
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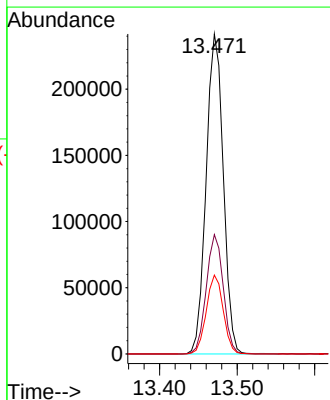
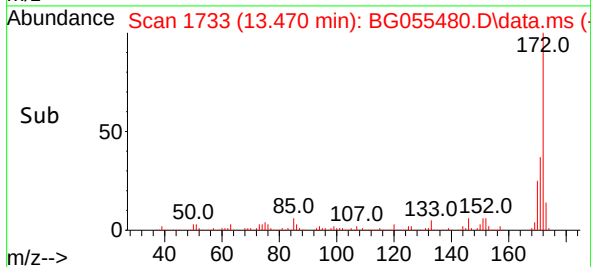
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

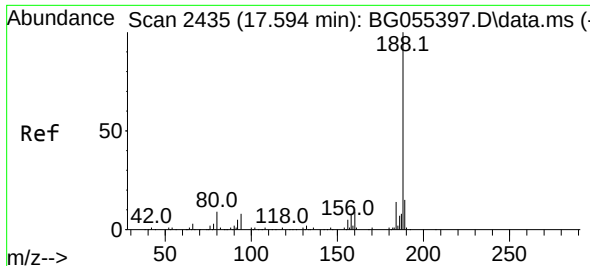


#45
2-Fluorobiphenyl
Concen: 55.761 ng
RT: 13.470 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46



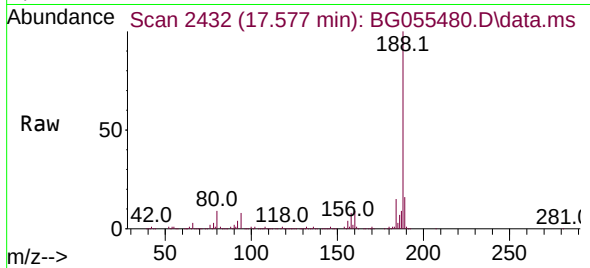
Tgt Ion:172 Resp: 371203
Ion Ratio Lower Upper
172 100
171 37.3 30.2 45.2
170 24.6 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

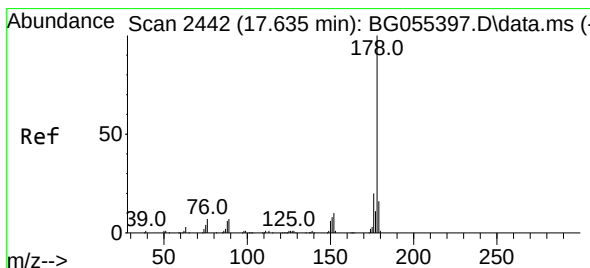
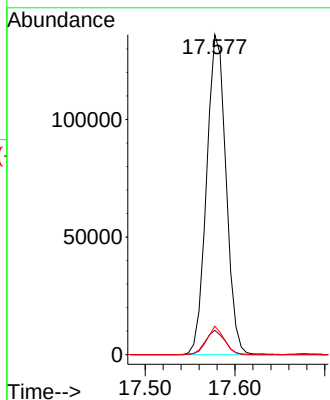
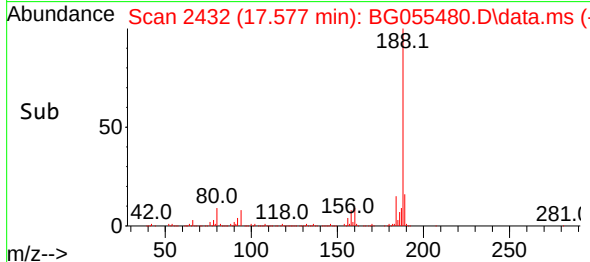
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



Tgt Ion:188 Resp: 204219
Ion Ratio Lower Upper
188 100
94 7.6 6.5 9.7
80 8.9 7.4 11.0

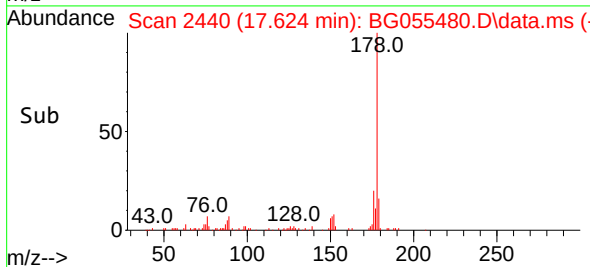
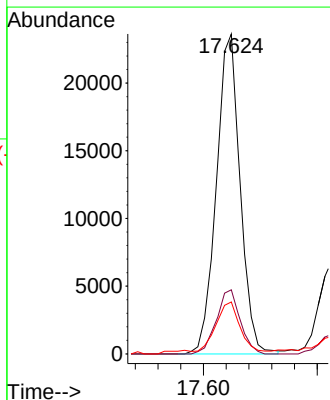
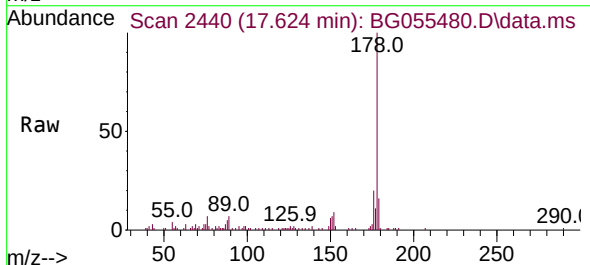
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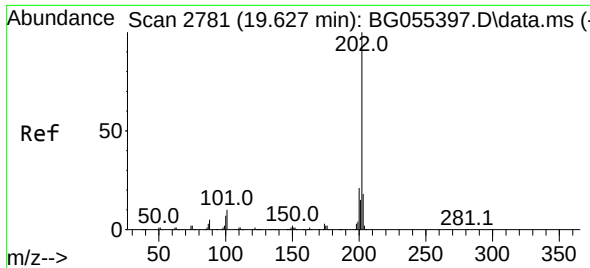
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#71
Phenanthrene
Concen: 2.983 ng
RT: 17.624 min Scan# 2440
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

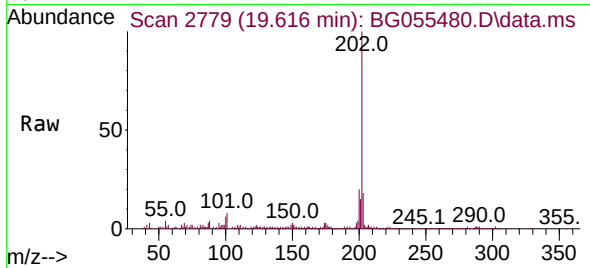
Tgt Ion:178 Resp: 34271
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 16.2 12.7 19.1





#75
Fluoranthene
Concen: 7.701 ng
RT: 19.616 min Scan# 2159
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

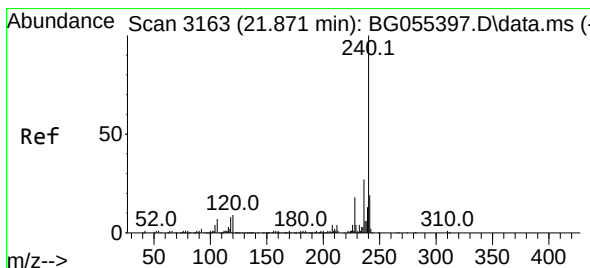
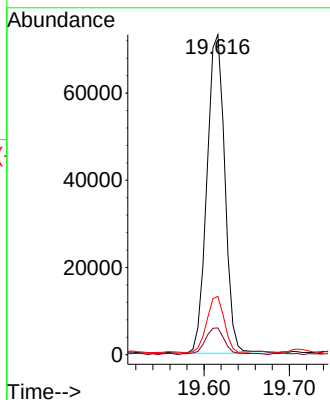
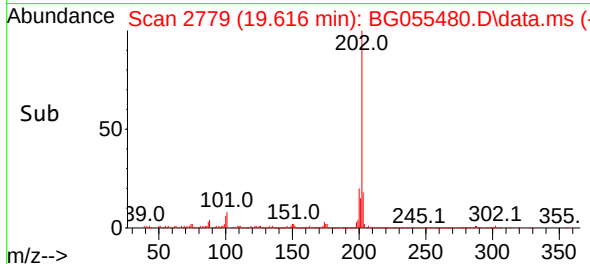
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



Tgt Ion:202 Resp: 106412
Ion Ratio Lower Upper
202 100
101 8.3 0.0 29.8
203 18.2 0.0 38.1

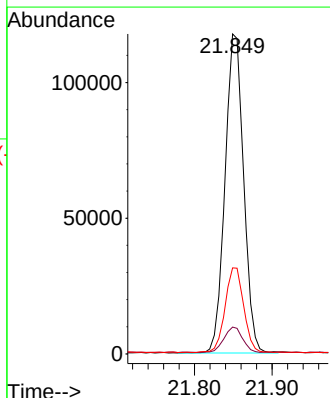
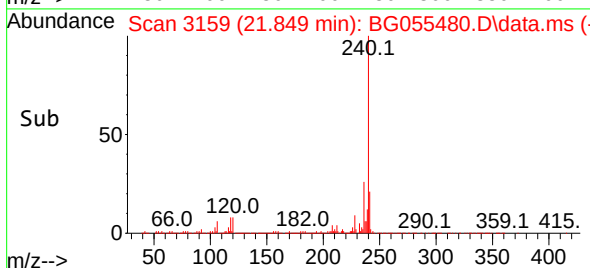
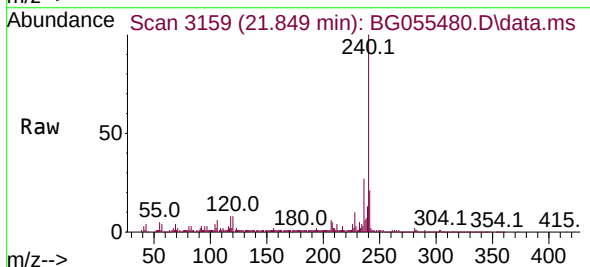
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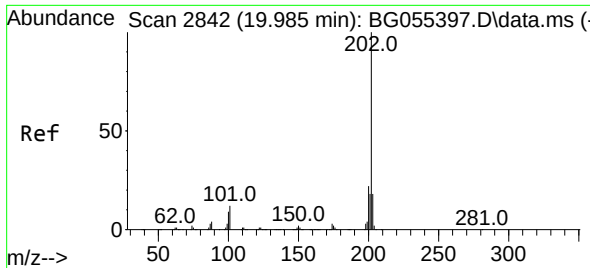
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

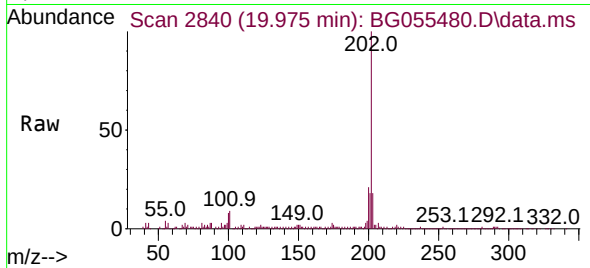
Tgt Ion:240 Resp: 196690
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 26.9 21.5 32.3





#78
Pyrene
Concen: 8.132 ng
RT: 19.975 min Scan# 2840
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

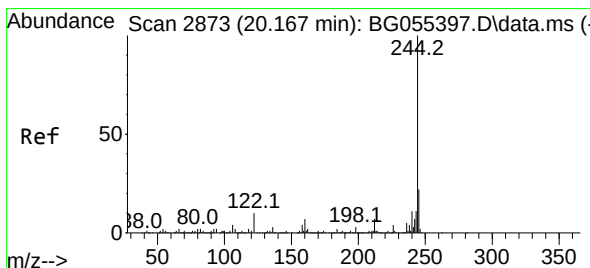
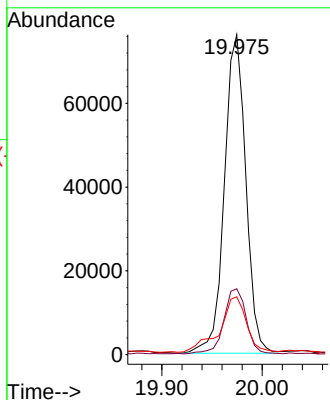
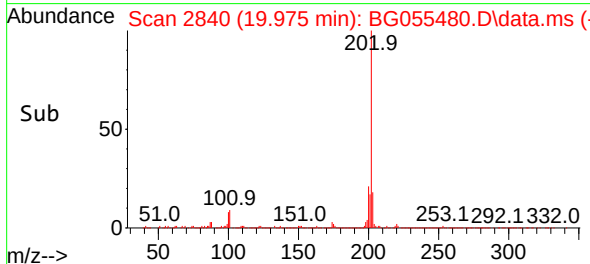
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



Tgt Ion:202 Resp: 112837
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 18.1 14.7 22.1

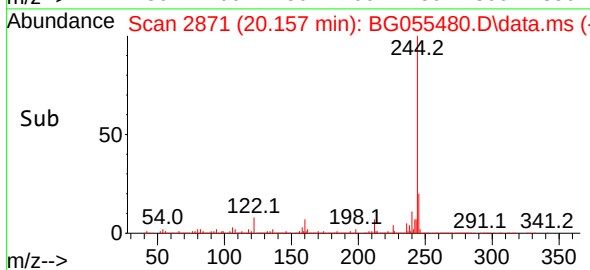
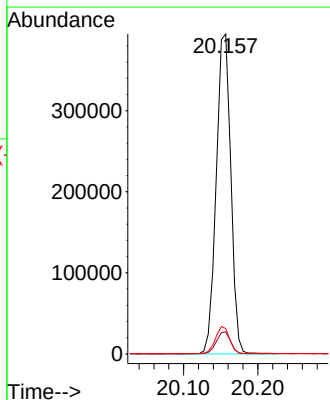
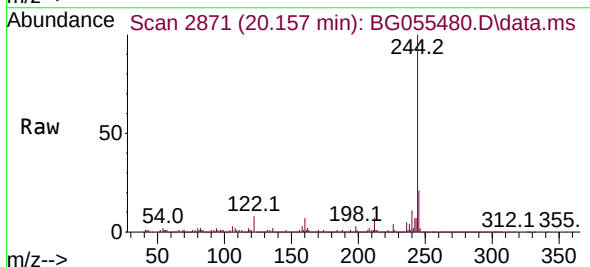
Manual Integrations
APPROVED

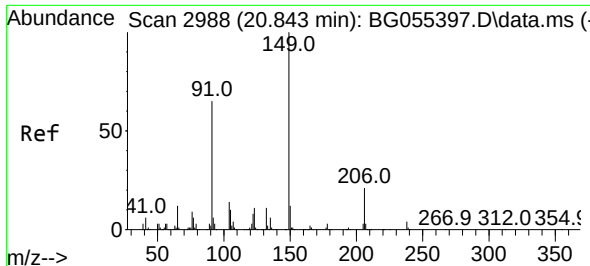
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#79
Terphenyl-d14
Concen: 53.230 ng
RT: 20.157 min Scan# 2871
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

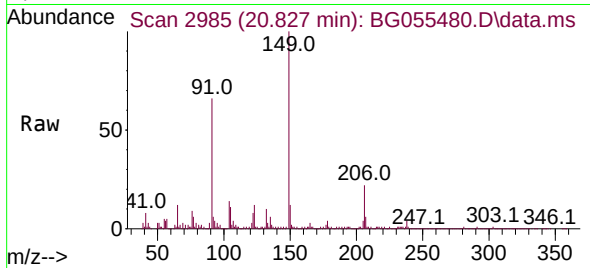
Tgt Ion:244 Resp: 538421
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 8.0 7.8 11.6





#80
Butylbenzylphthalate
Concen: 28.788 ng
RT: 20.827 min Scan# 2988
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

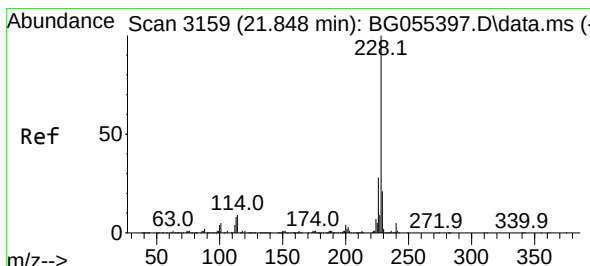
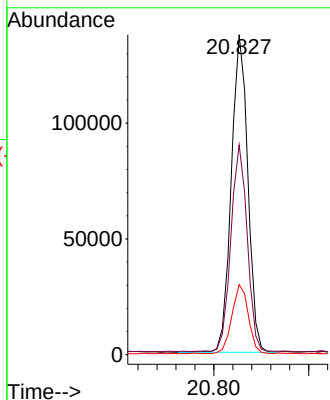
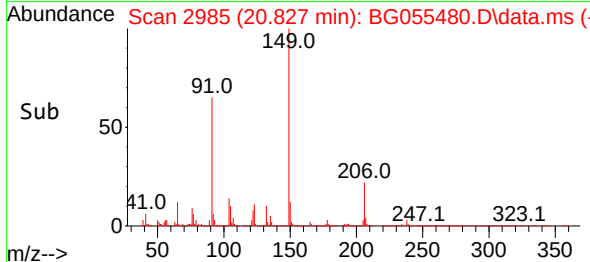
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



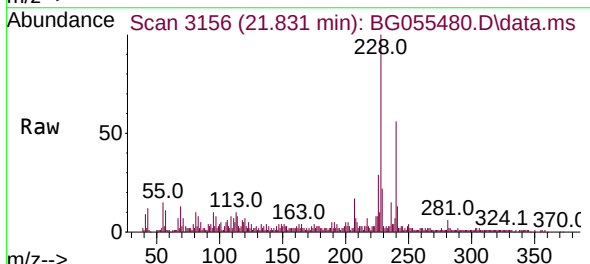
Tgt Ion:149 Resp: 166538
Ion Ratio Lower Upper
149 100
91 65.5 52.4 78.6
206 21.9 17.2 25.8

Manual Integrations
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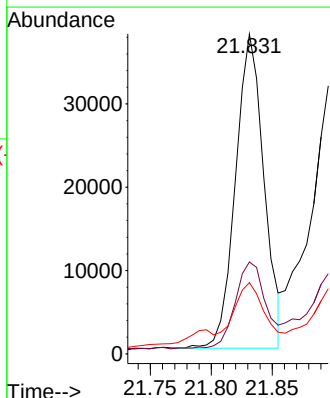
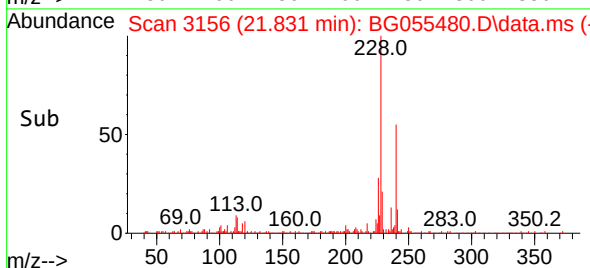
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

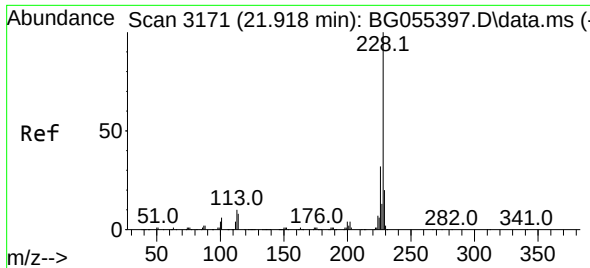


#81
Benzo(a)anthracene
Concen: 4.526 ng
RT: 21.831 min Scan# 3156
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46



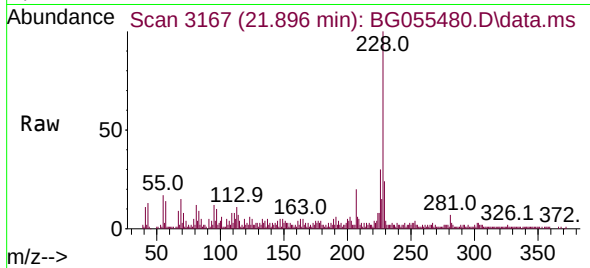
Tgt Ion:228 Resp: 61107
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 22.3 16.5 24.7





#83
Chrysene
Concen: 5.386 ng m
RT: 21.896 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

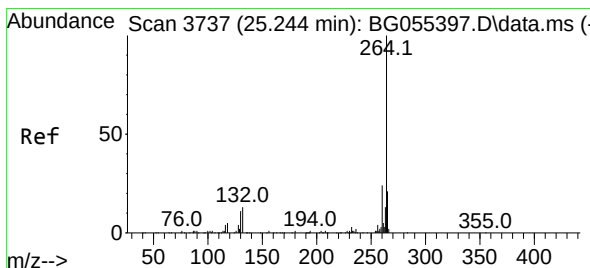
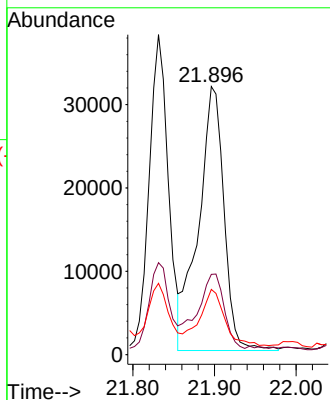
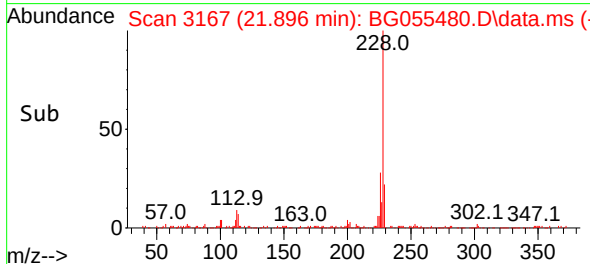
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



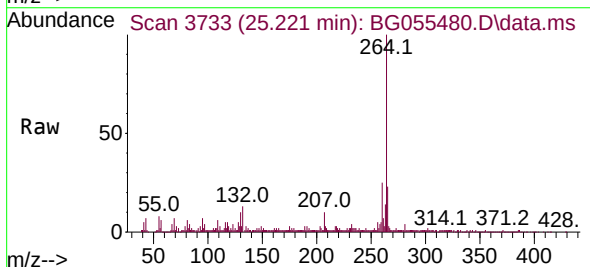
Tgt Ion:228 Resp: 69385
Ion Ratio Lower Upper
228 100
226 30.0 25.2 37.8
229 24.3 16.2 24.2

Manual Integrations
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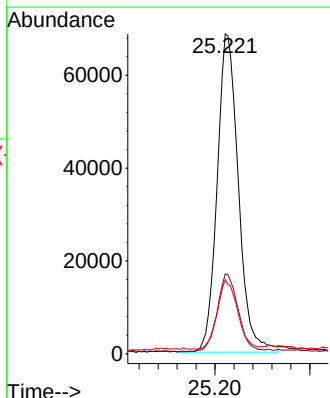
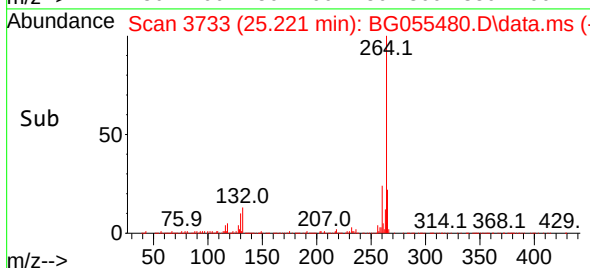
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

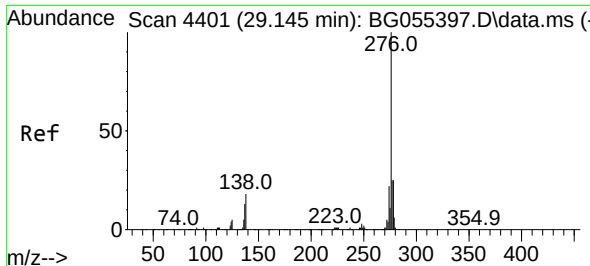


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.221 min Scan# 3733
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46



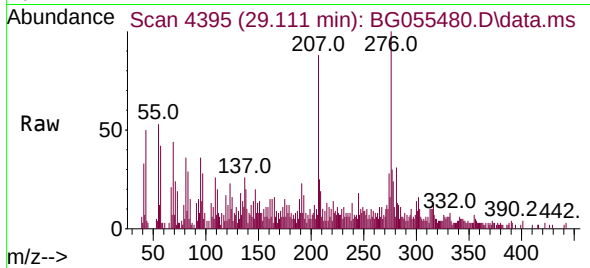
Tgt Ion:264 Resp: 213698
Ion Ratio Lower Upper
264 100
260 25.0 18.9 28.3
265 23.2 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.147 ng
 RT: 29.111 min Scan# 4395
 Delta R.T. -0.000 min
 Lab File: BG055480.D
 Acq: 5 Nov 2022 21:46

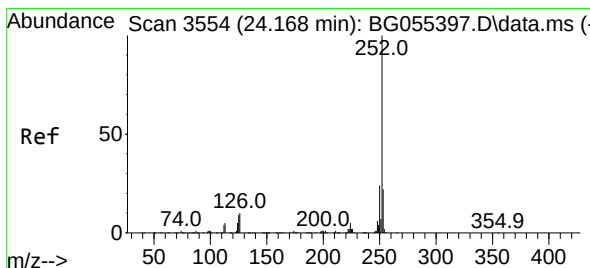
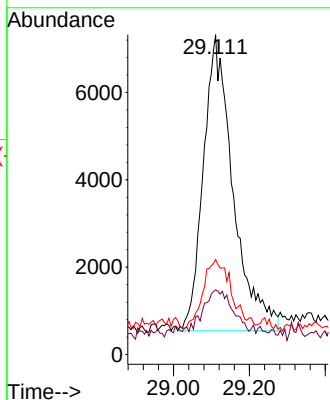
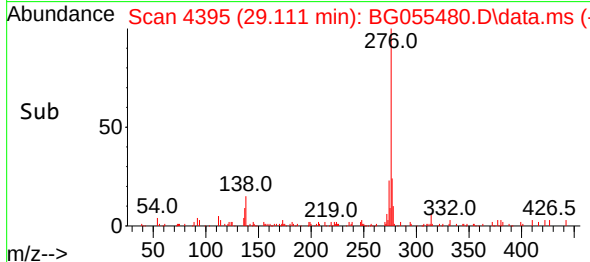
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-1102



Tgt Ion: 276 Resp: 36844
 Ion Ratio Lower Upper
 276 100
 138 13.3 16.2 24.2#
 277 21.7 20.5 30.7

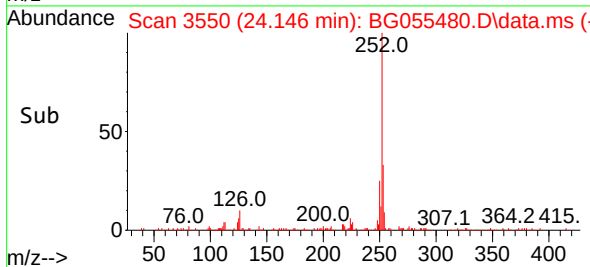
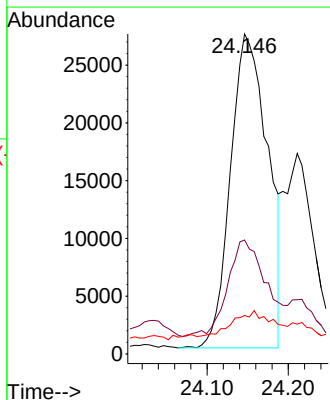
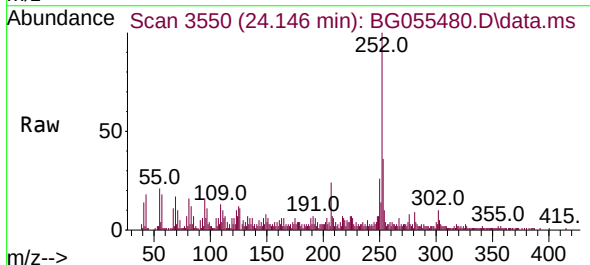
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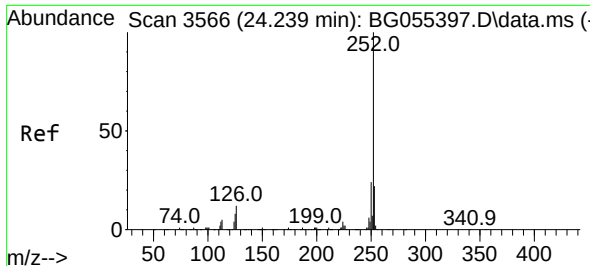
Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : Jagrut Upadhyay 11/07/2022



#88
 Benzo(b)fluoranthene
 Concen: 6.379 ng
 RT: 24.146 min Scan# 3550
 Delta R.T. -0.000 min
 Lab File: BG055480.D
 Acq: 5 Nov 2022 21:46

Tgt Ion: 252 Resp: 86586
 Ion Ratio Lower Upper
 252 100
 253 35.6 17.8 26.8#
 125 12.0 6.8 10.2#





#89

Benzo(k)fluoranthene

Concen: 3.117 ng m

RT: 24.211 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

Instrument :

BNA_G

ClientSampleId :

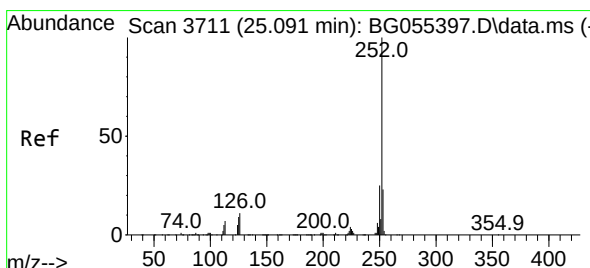
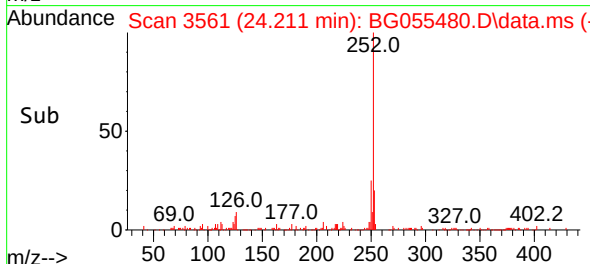
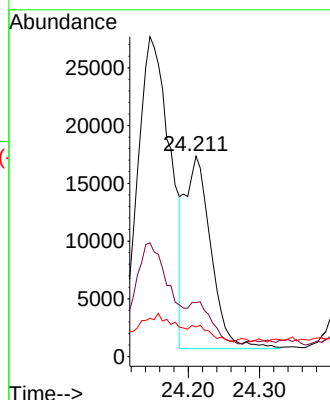
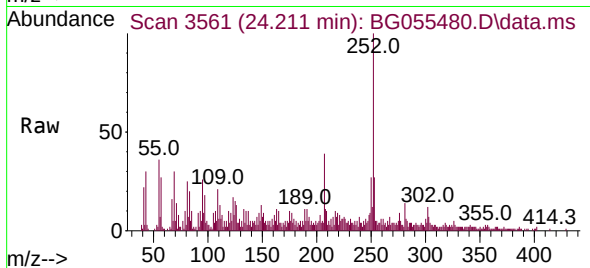
SOIL-COMP-1102

Tgt Ion:252 Resp: 42520
 Ion Ratio Lower Upper
 252 100
 253 27.0 17.9 26.9
 125 14.8 6.9 10.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022



#90

Benzo(a)pyrene

Concen: 5.201 ng

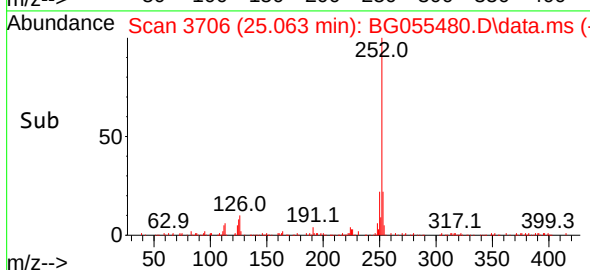
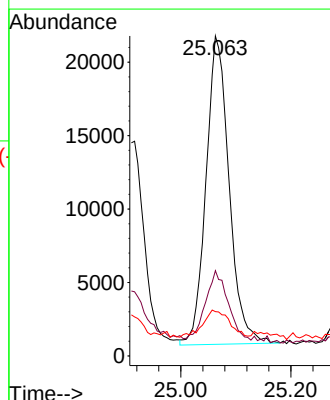
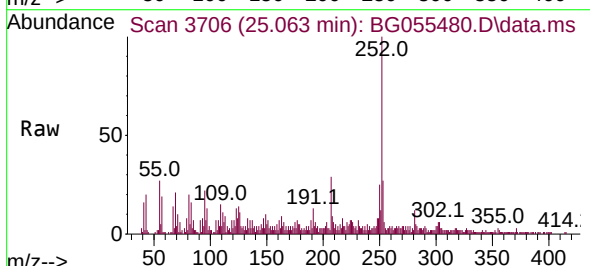
RT: 25.063 min Scan# 3706

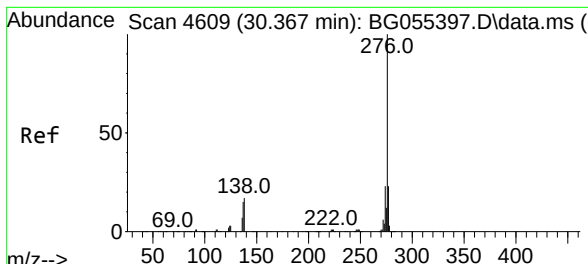
Delta R.T. -0.000 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

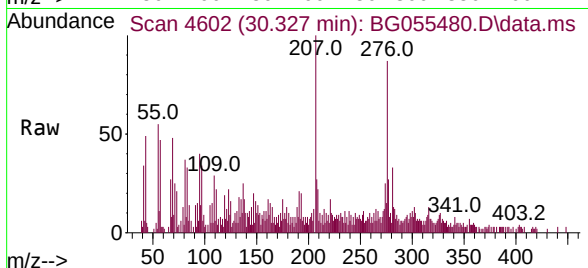
Tgt Ion:252 Resp: 61047
 Ion Ratio Lower Upper
 252 100
 253 26.6 18.2 27.2
 125 13.8 7.1 10.7





#92
 Benzo(g,h,i)perylene
 Concen: 2.355 ng
 RT: 30.327 min Scan# 4602
 Delta R.T. 0.006 min
 Lab File: BG055480.D
 Acq: 5 Nov 2022 21:46

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-1102



Tgt Ion:	276	Resp:	3315
Ion Ratio	Lower	Upper	
276	100		
277	31.3	18.6	28.0
138	19.9	13.4	20.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

