

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054807.D
 Acq On : 31 Aug 2022 15:19
 Operator : CG/JU
 Sample : N4431-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CRUSHED-MASONARY-PILE-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/01/2022
 Supervised By : Jagrut Upadhyay 09/01/2022

Quant Time: Sep 01 05:02:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	42314	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	170943	20.000	ng	0.00
39) Acenaphthene-d10	14.782	164	120307	20.000	ng	0.00
64) Phenanthrene-d10	17.532	188	290232	20.000	ng	0.00
76) Chrysene-d12	21.827	240	275813	20.000	ng	0.00
86) Perylene-d12	25.199	264	289779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	24294	9.998	ng	0.00
7) Phenol-d6	7.297	99	125599	37.795	ng	0.00
23) Nitrobenzene-d5	9.324	82	202243	62.109	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	12263	8.157	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	519708	64.928	ng	0.00
79) Terphenyl-d14	20.129	244	956406	68.706	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.573	178	58791	3.803	ng	97
75) Fluoranthene	19.577	202	83406	4.435	ng	98
78) Pyrene	19.941	202	81621	4.244	ng	98
81) Benzo(a)anthracene	21.803	228	41417	2.215	ng	98
83) Chrysene	21.874	228	38444m	2.150	ng	
88) Benzo(b)fluoranthene	24.118	252	37218	2.047	ng	# 94

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

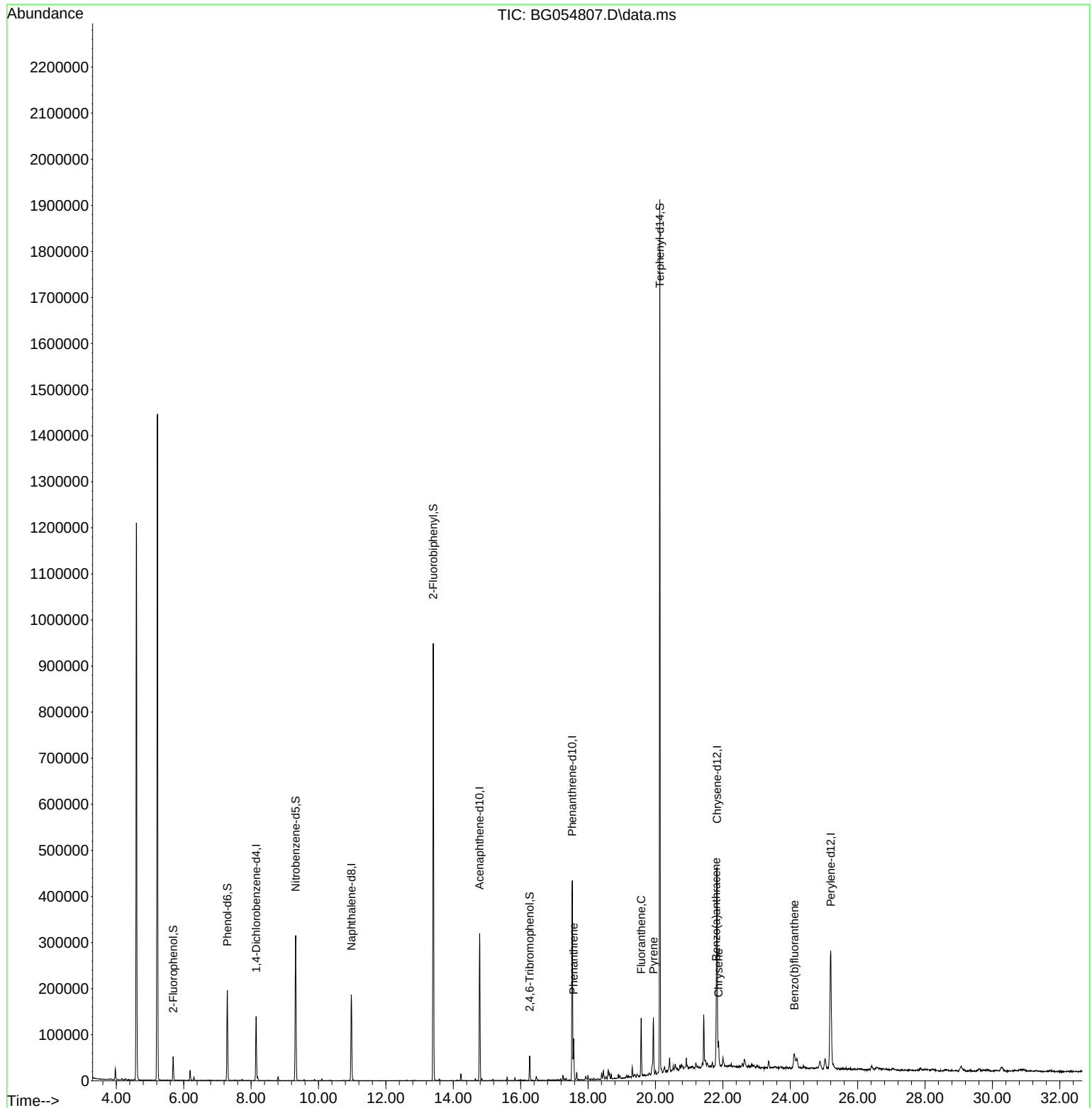
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
Data File : BG054807.D
Acq On : 31 Aug 2022 15:19
Operator : CG/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

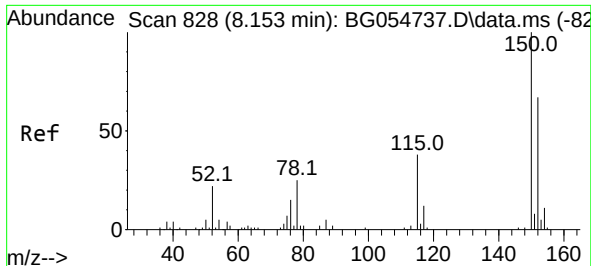
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4

Quant Time: Sep 01 05:02:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
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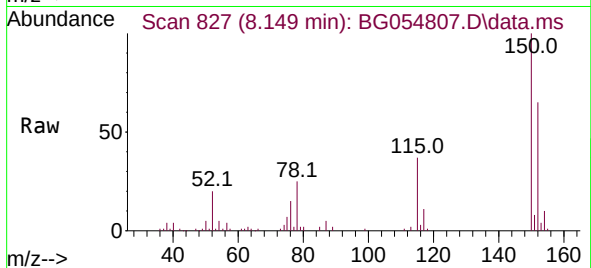
Reviewed By : Christian Giraldo 09/01/2022
Supervised By : Jagrut Upadhyay 09/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

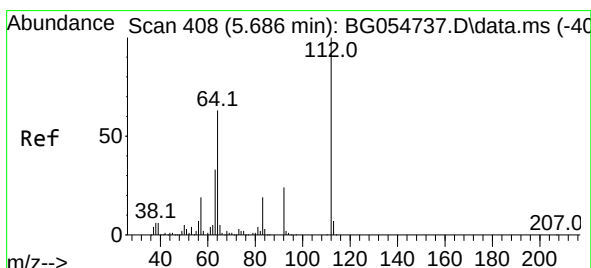
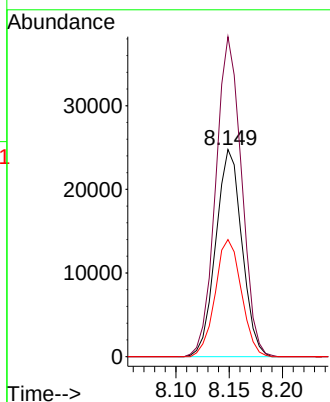
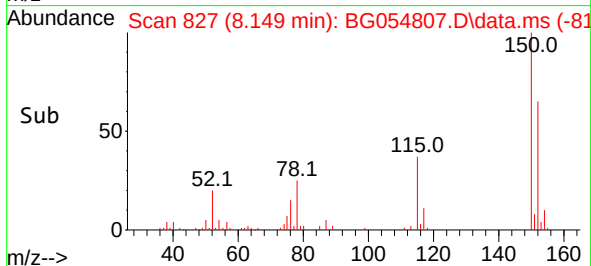
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4



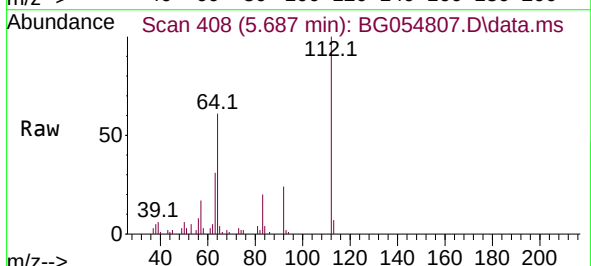
Tgt Ion:152 Resp: 42314
Ion Ratio Lower Upper
152 100
150 154.5 125.2 187.8
115 56.5 47.9 71.9

Manual Integrations
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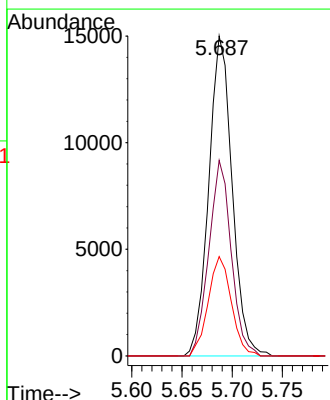
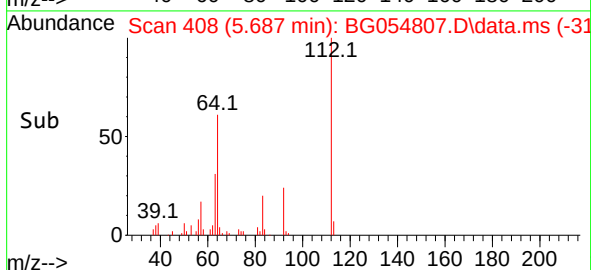
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

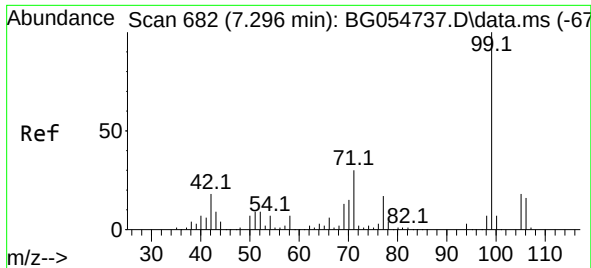


#5
2-Fluorophenol
Concen: 9.998 ng
RT: 5.687 min Scan# 408
Delta R.T. 0.001 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19



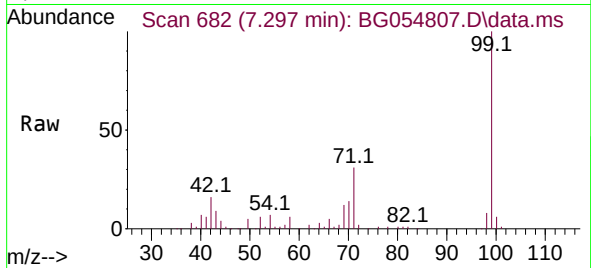
Tgt Ion:112 Resp: 24294
Ion Ratio Lower Upper
112 100
64 61.1 49.3 73.9
63 31.0 26.3 39.5





#7
Phenol-d6
Concen: 37.795 ng
RT: 7.297 min Scan# 682
Delta R.T. 0.001 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

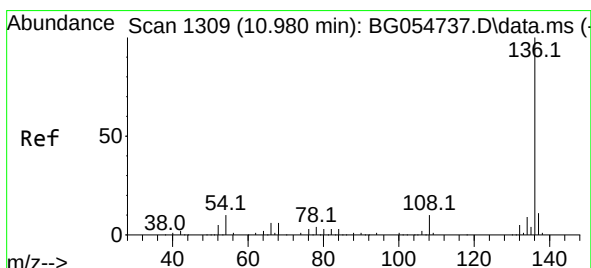
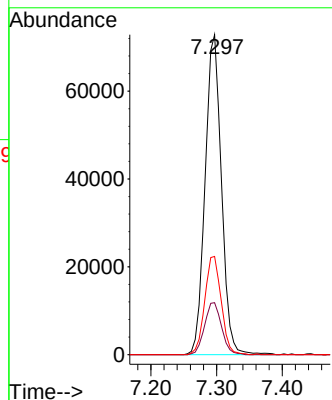
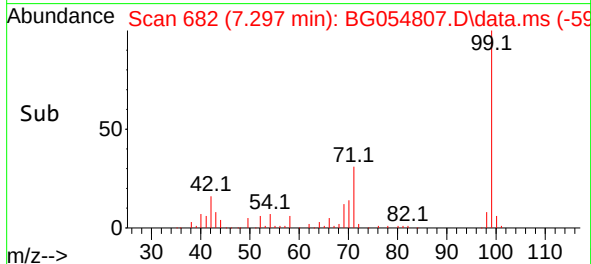
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4



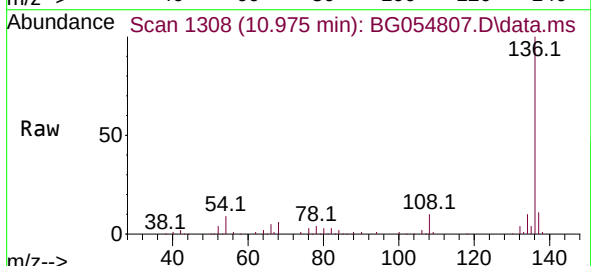
Tgt Ion: 99 Resp: 125599
Ion Ratio Lower Upper
99 100
42 16.2 14.6 22.0
71 30.7 24.6 37.0

Manual Integrations
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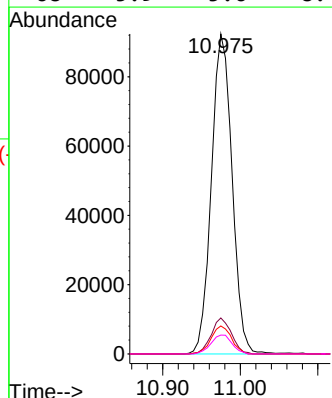
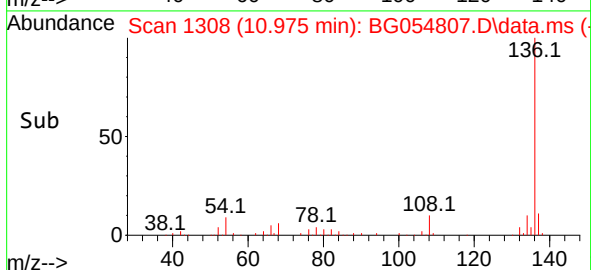
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

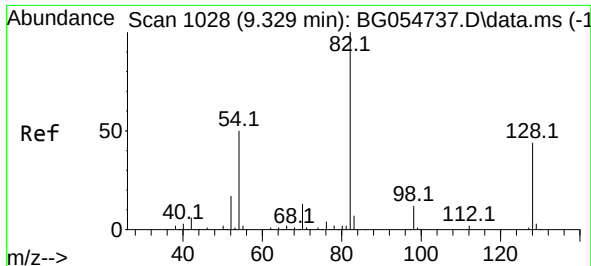


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1308
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19



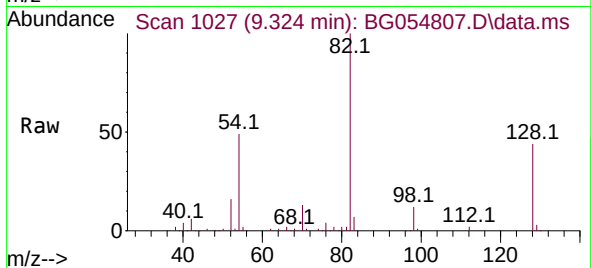
Tgt Ion:136 Resp: 170943
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.8 7.7 11.5
68 5.9 5.6 8.4





#23
Nitrobenzene-d5
Concen: 62.109 ng
RT: 9.324 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

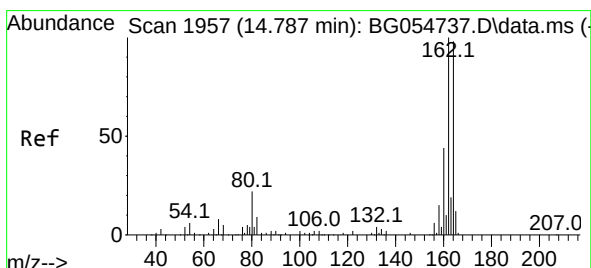
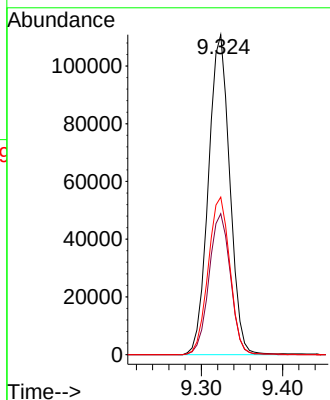
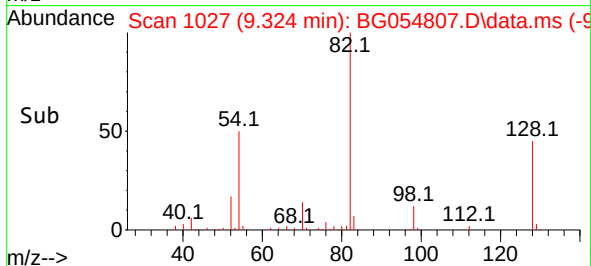
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4



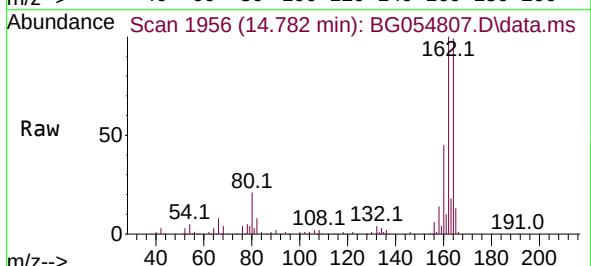
Tgt Ion: 82 Resp: 202243
Ion Ratio Lower Upper
82 100
128 44.0 32.2 48.2
54 49.2 41.4 62.0

Manual Integrations
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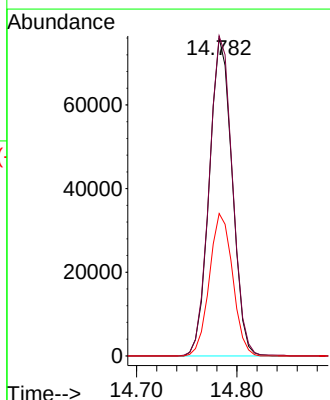
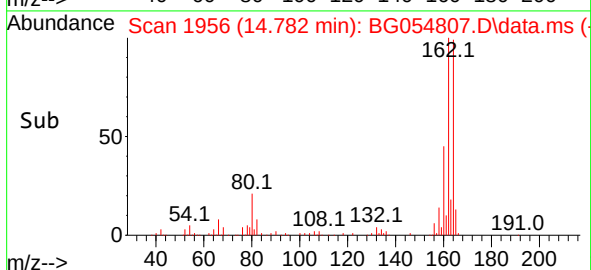
Reviewed By :Christian Giraldo 09/01/2022
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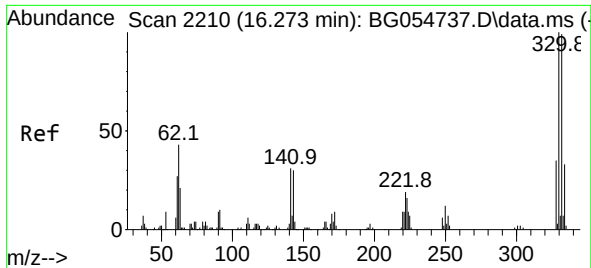


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.782 min Scan# 1956
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19



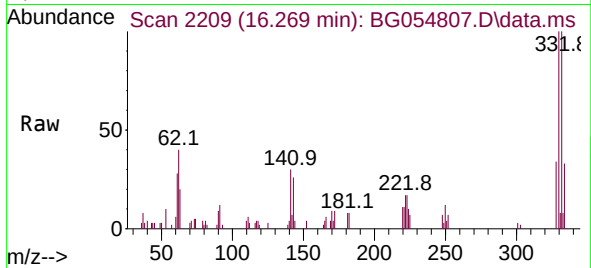
Tgt Ion:164 Resp: 120307
Ion Ratio Lower Upper
164 100
162 100.6 83.0 124.4
160 44.8 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 8.157 ng
RT: 16.269 min Scan# 2210
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

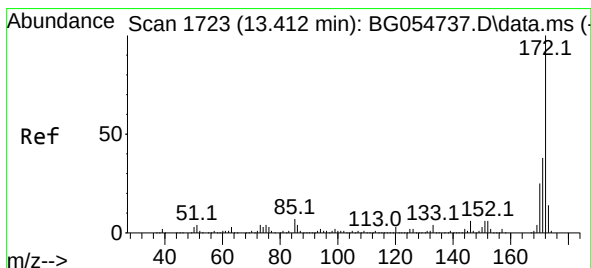
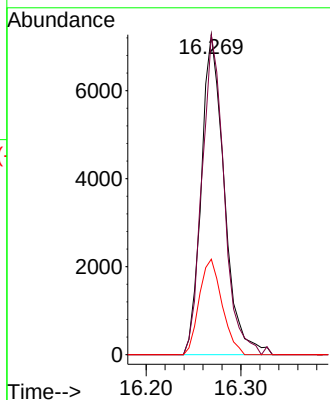
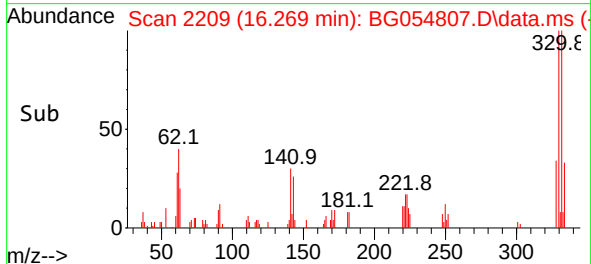
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4



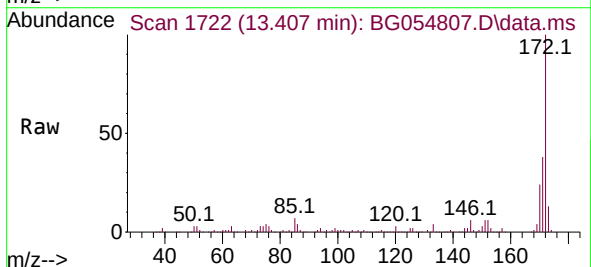
Tgt Ion: 330 Resp: 12263
Ion Ratio Lower Upper
330 100
332 96.5 79.8 119.6
141 29.5 26.8 40.2

Manual Integrations
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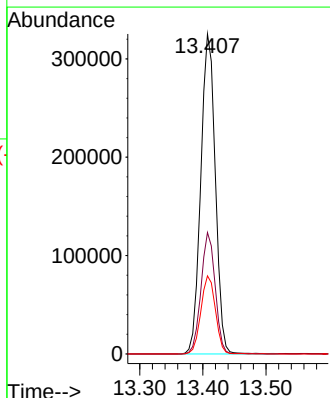
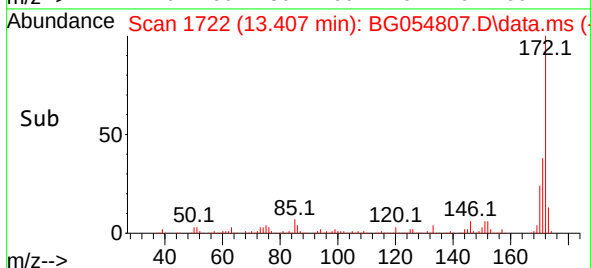
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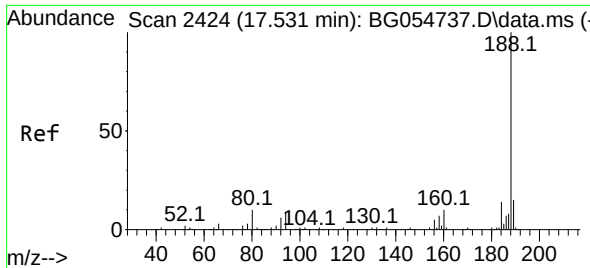


#45
2-Fluorobiphenyl
Concen: 64.928 ng
RT: 13.407 min Scan# 1722
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19



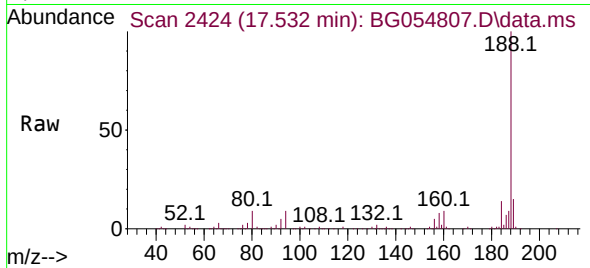
Tgt Ion: 172 Resp: 519708
Ion Ratio Lower Upper
172 100
171 37.9 31.2 46.8
170 24.4 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.532 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

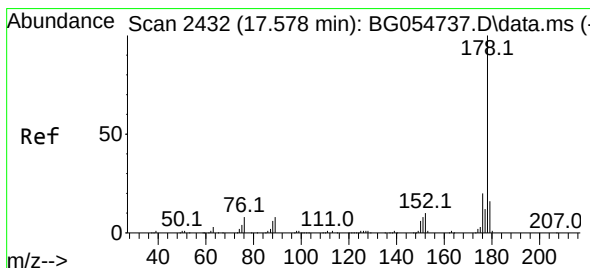
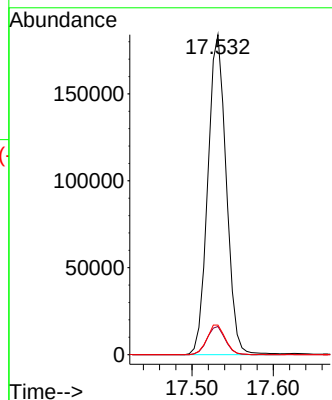
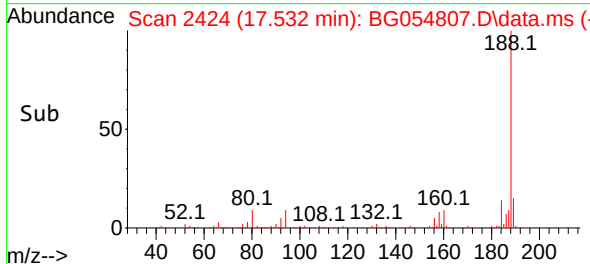
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4



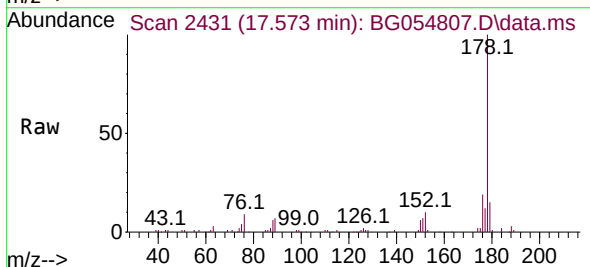
Tgt Ion:188 Resp: 290232
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.4
80 9.2 7.9 11.9

Manual Integrations
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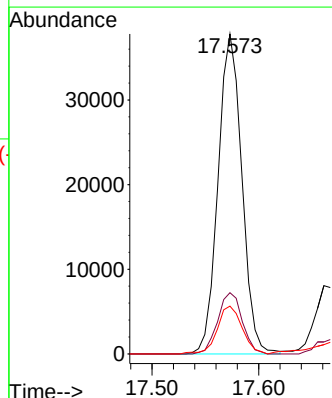
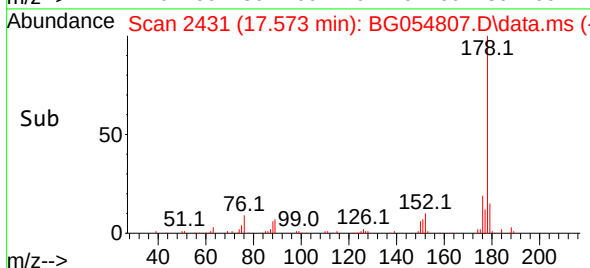
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

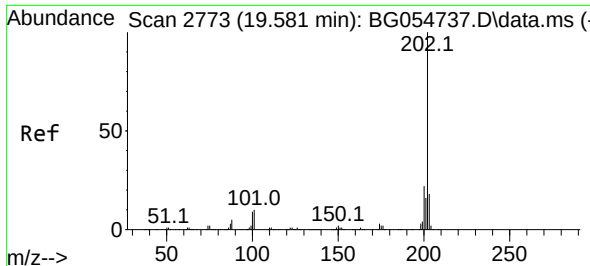


#71
Phenanthrene
Concen: 3.803 ng
RT: 17.573 min Scan# 2431
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19



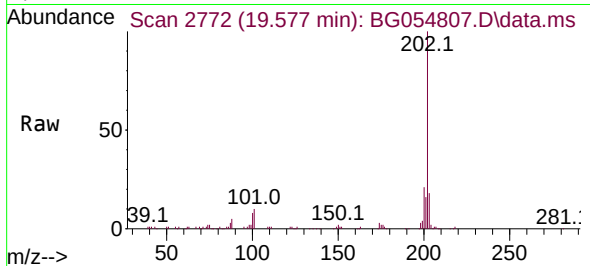
Tgt Ion:178 Resp: 58791
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 14.9 12.8 19.2





#75
Fluoranthene
Concen: 4.435 ng
RT: 19.577 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

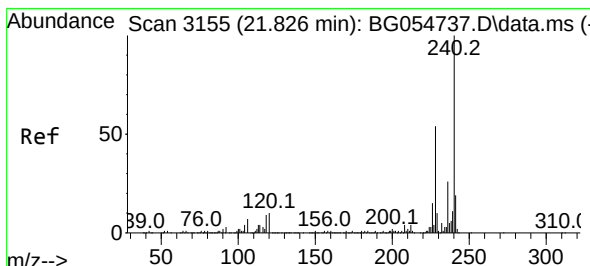
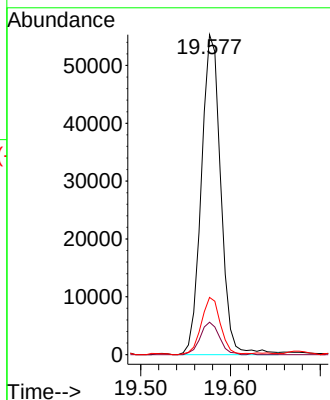
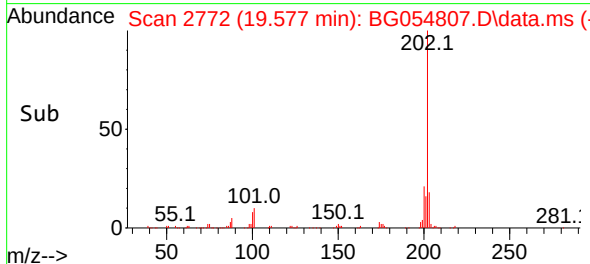
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4



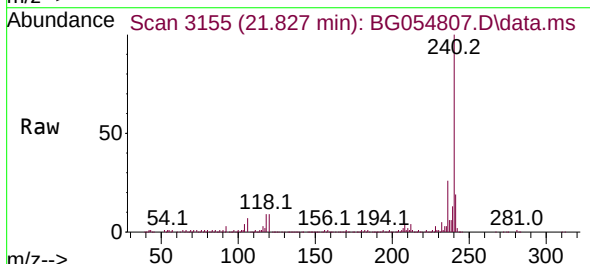
Tgt Ion:202 Resp: 83406
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 17.9 0.0 38.6

Manual Integrations
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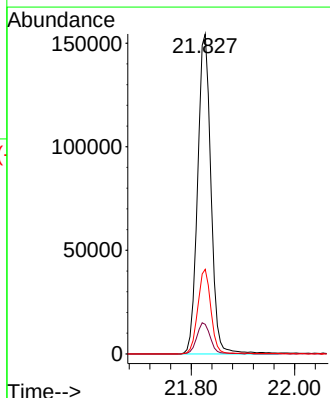
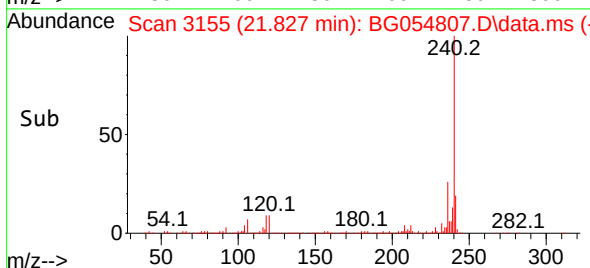
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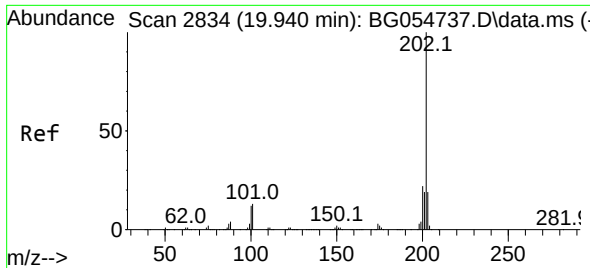


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.827 min Scan# 3155
Delta R.T. 0.001 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19



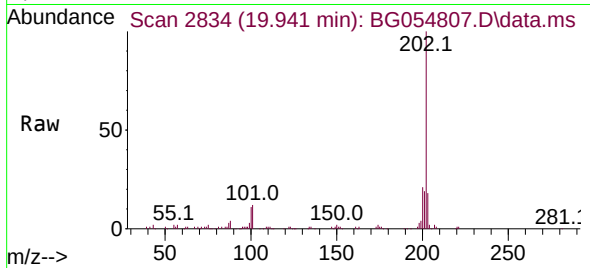
Tgt Ion:240 Resp: 275813
Ion Ratio Lower Upper
240 100
120 9.2 8.2 12.4
236 26.4 21.2 31.8





#78
 Pyrene
 Concen: 4.244 ng
 RT: 19.941 min Scan# 2834
 Delta R.T. 0.001 min
 Lab File: BG054807.D
 Acq: 31 Aug 2022 15:19

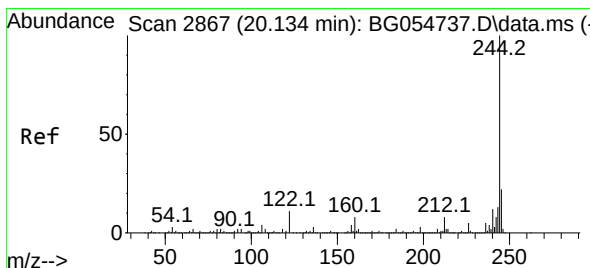
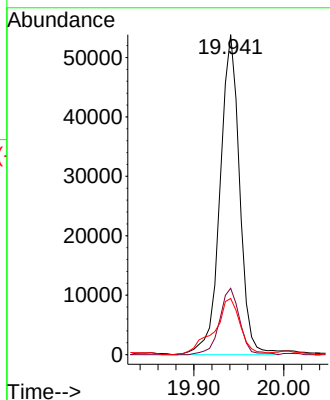
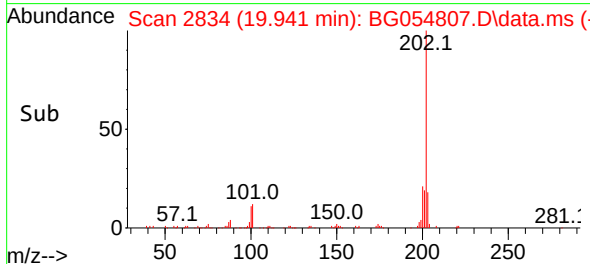
Instrument :
 BNA_G
 ClientSampleId :
 CRUSHED-MASONARY-PILE-4



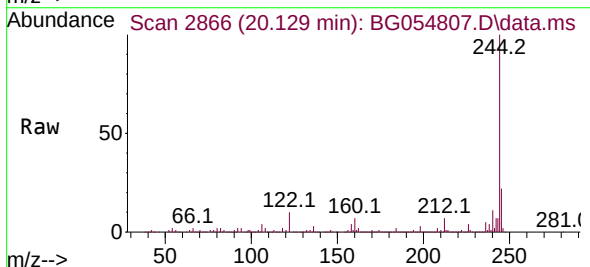
Tgt Ion:202 Resp: 81621
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.8 26.6
 203 17.5 14.6 21.8

Manual Integrations
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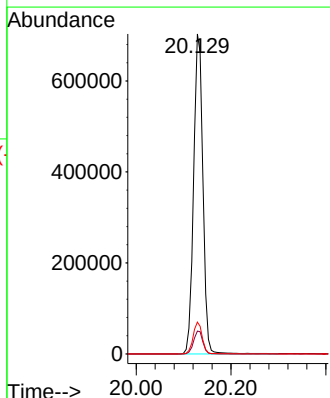
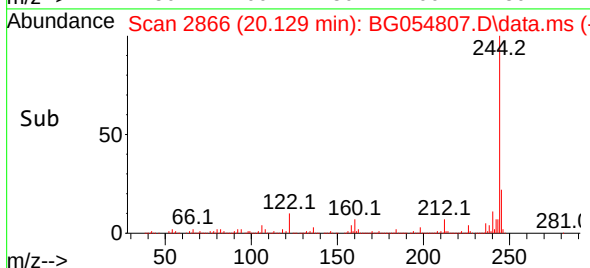
Reviewed By :Christian Giraldo 09/01/2022
 Supervised By :Jagrut Upadhyay 09/01/2022

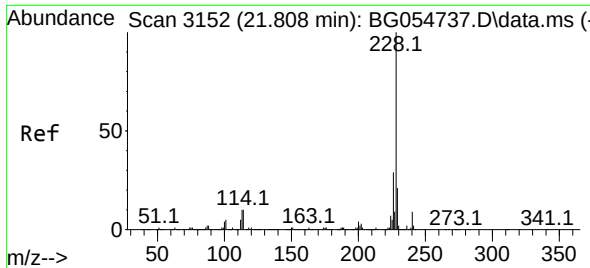


#79
 Terphenyl-d14
 Concen: 68.706 ng
 RT: 20.129 min Scan# 2866
 Delta R.T. -0.005 min
 Lab File: BG054807.D
 Acq: 31 Aug 2022 15:19



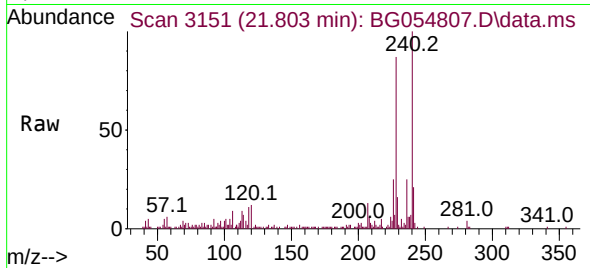
Tgt Ion:244 Resp: 956406
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.9 9.0 13.6





#81
Benzo(a)anthracene
Concen: 2.215 ng
RT: 21.803 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

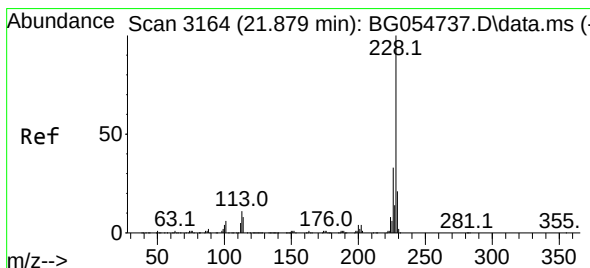
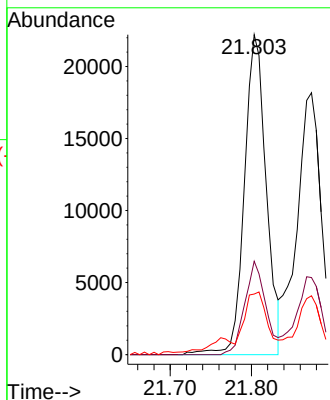
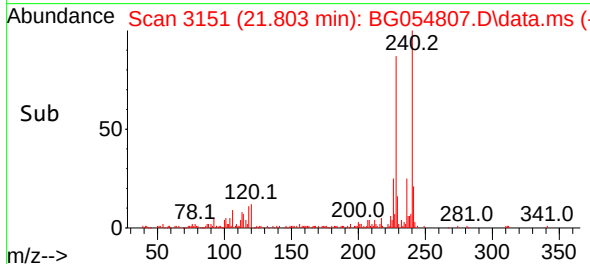
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4



Tgt Ion:228 Resp: 41417
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 18.9 16.5 24.7

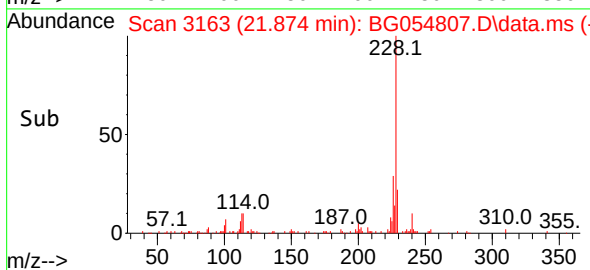
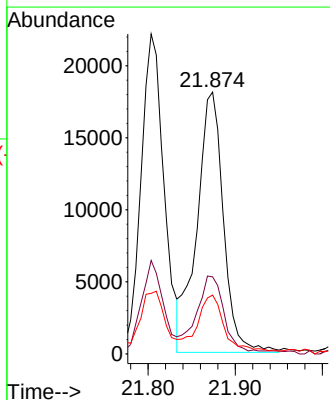
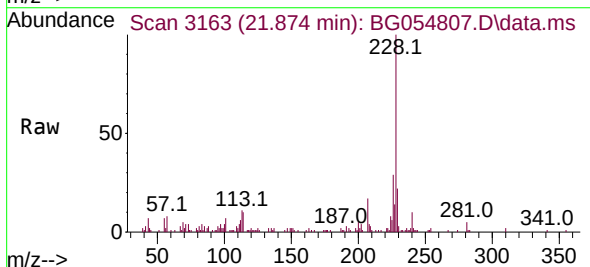
Manual Integrations
APPROVED

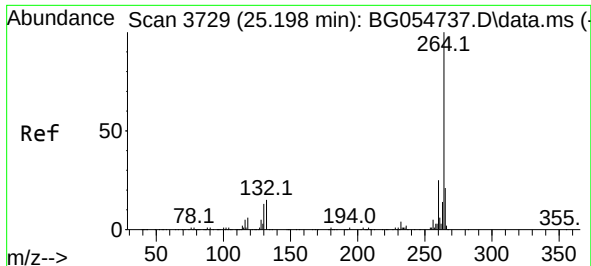
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#83
Chrysene
Concen: 2.150 ng m
RT: 21.874 min Scan# 3163
Delta R.T. -0.005 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

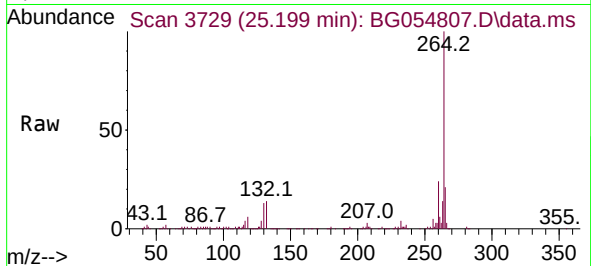
Tgt Ion:228 Resp: 38444
Ion Ratio Lower Upper
228 100
226 29.4 25.5 38.3
229 22.4 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3729
Delta R.T. 0.001 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19

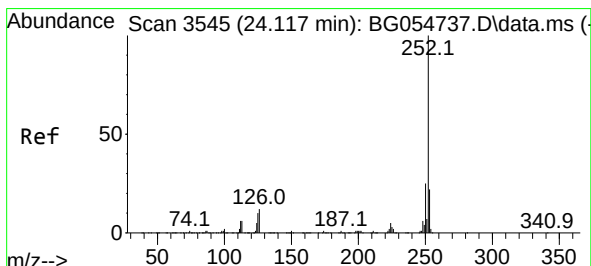
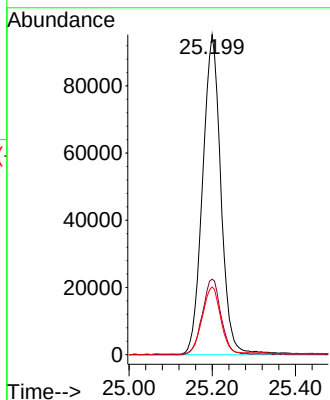
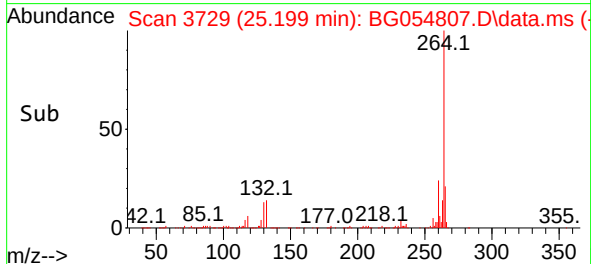
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4



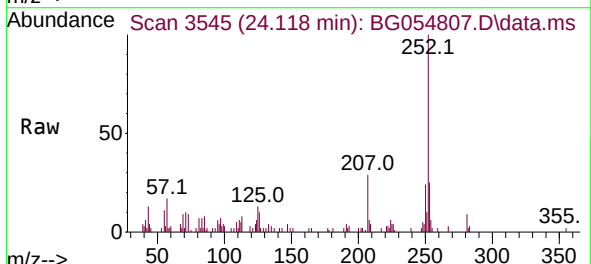
Tgt Ion:264 Resp: 289779
Ion Ratio Lower Upper
264 100
260 23.6 19.9 29.9
265 21.1 16.9 25.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#88
Benzo(b)fluoranthene
Concen: 2.047 ng
RT: 24.118 min Scan# 3545
Delta R.T. 0.001 min
Lab File: BG054807.D
Acq: 31 Aug 2022 15:19



Tgt Ion:252 Resp: 37218
Ion Ratio Lower Upper
252 100
253 24.8 18.0 27.0
125 12.8 8.1 12.1#

