

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054811.D
 Acq On : 31 Aug 2022 18:06
 Operator : CG/JU
 Sample : N4430-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CRUSHED-MASONARY-PILE-3

Manual Integrations
 APPROVED

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

Quant Time: Sep 01 05:04:54 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	8.150	152	53023	20.000	ng	0.00
21) Naphthalene-d8	10.976	136	224488	20.000	ng	0.00
39) Acenaphthene-d10	14.784	164	144653	20.000	ng	0.00
64) Phenanthrene-d10	17.528	188	299008	20.000	ng	0.00
76) Chrysene-d12	21.823	240	267096	20.000	ng	0.00
86) Perylene-d12	25.195	264	285039	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.689	112	141016	46.312	ng	0.00
7) Phenol-d6	7.298	99	425211	102.112	ng	0.00
23) Nitrobenzene-d5	9.325	82	365002	85.356	ng	0.00
42) 2,4,6-Tribromophenol	16.270	330	57443	31.780	ng	0.00
45) 2-Fluorobiphenyl	13.409	172	880844	91.524	ng	0.00
79) Terphenyl-d14	20.130	244	1231552	91.360	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.569	178	163208	10.246	ng	98
72) Anthracene	17.663	178	37823	2.442	ng	99
75) Fluoranthene	19.578	202	251952	13.003	ng	97
78) Pyrene	19.936	202	236075	12.676	ng	99
81) Benzo(a)anthracene	21.805	228	116987	6.460	ng	99
83) Chrysene	21.870	228	102828	5.938	ng	97
87) Indeno(1,2,3-cd)pyrene	29.079	276	55310	2.556	ng	# 91
88) Benzo(b)fluoranthene	24.126	252	127168	7.112	ng	# 95
89) Benzo(k)fluoranthene	24.179	252	36752m	2.042	ng	
90) Benzo(a)pyrene	25.036	252	84841	5.554	ng	98
92) Benzo(g,h,i)perylene	30.283	276	56856	3.192	ng	96

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

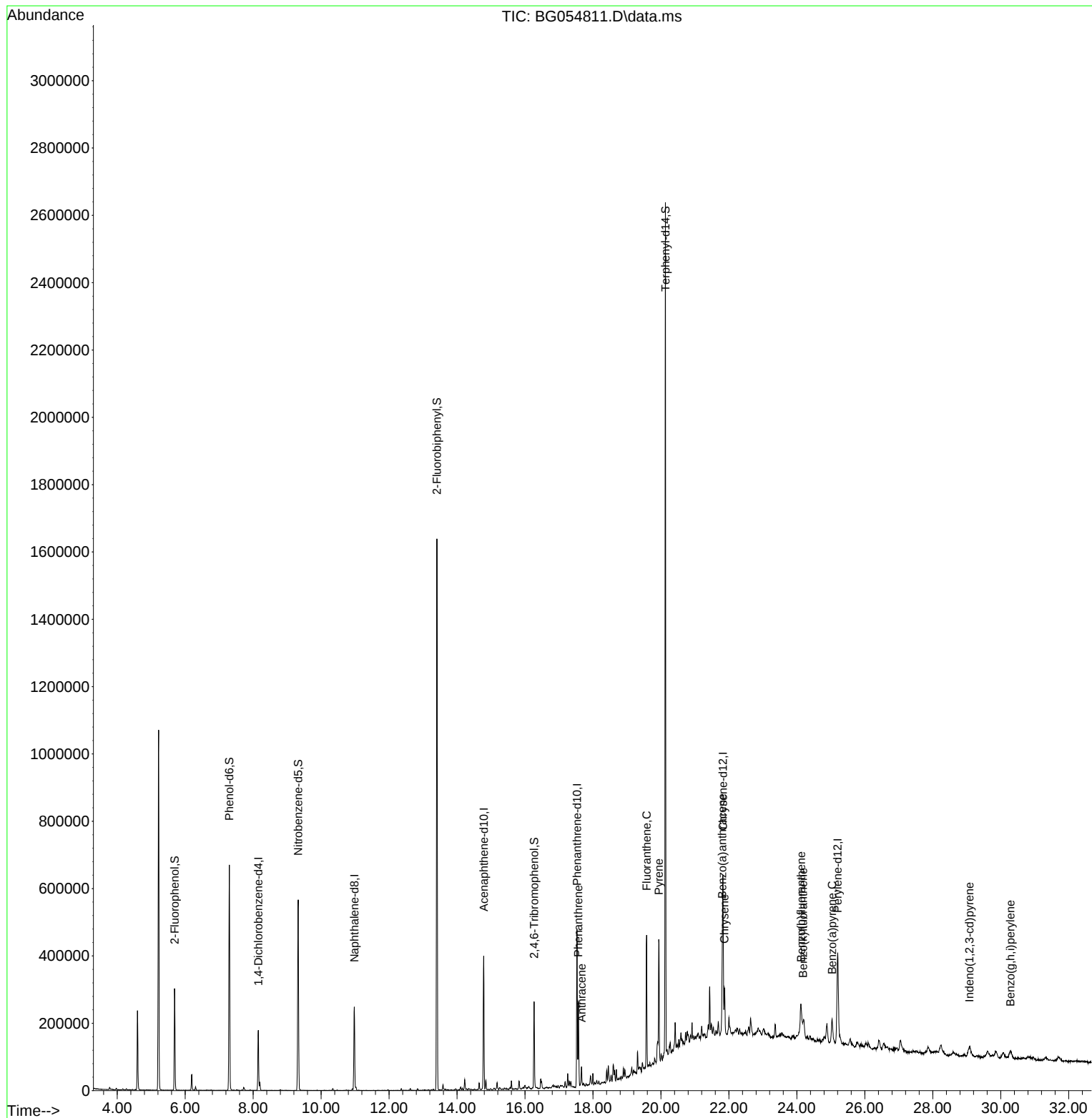
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
Data File : BG054811.D
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ALS Vial : 13 Sample Multiplier: 1

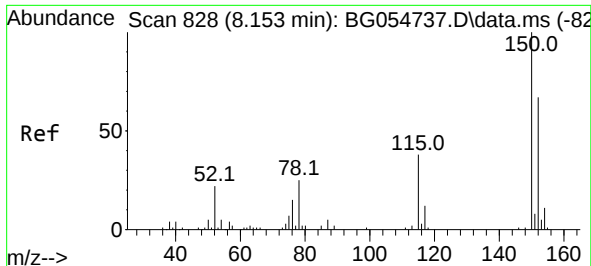
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CRUSHED-MASONARY-PILE-3

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
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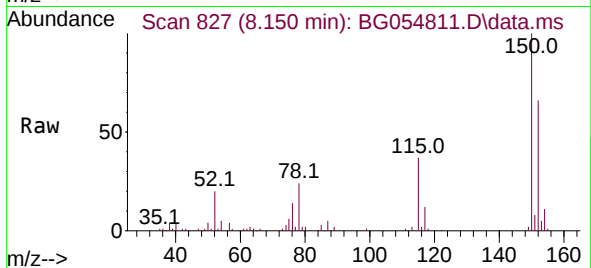
Reviewed By : Christian Giraldo 09/01/2022
Supervised By : Jagrut Upadhyay 09/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.150 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06

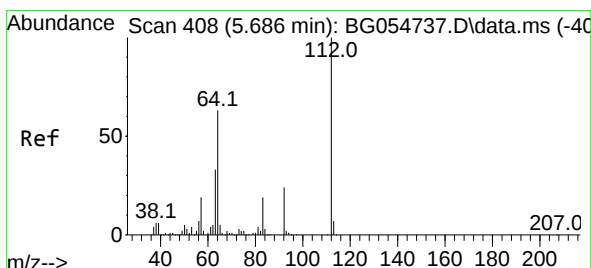
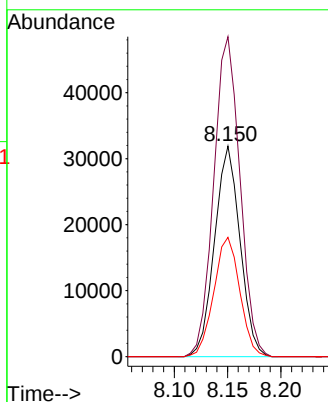
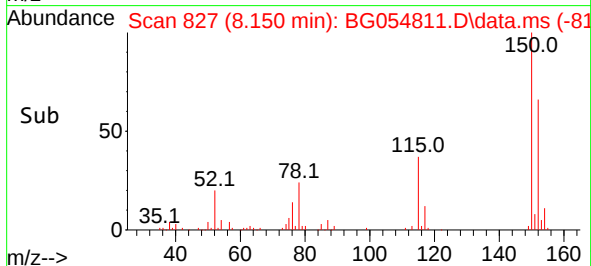
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-3



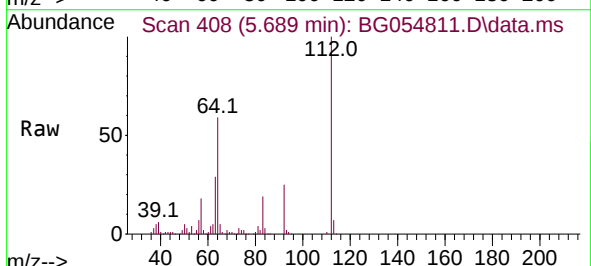
Tgt Ion:152 Resp: 53023
Ion Ratio Lower Upper
152 100
150 152.0 125.2 187.8
115 56.7 47.9 71.9

Manual Integrations
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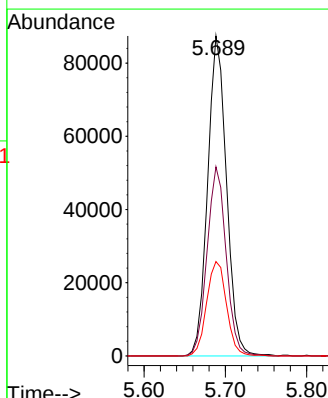
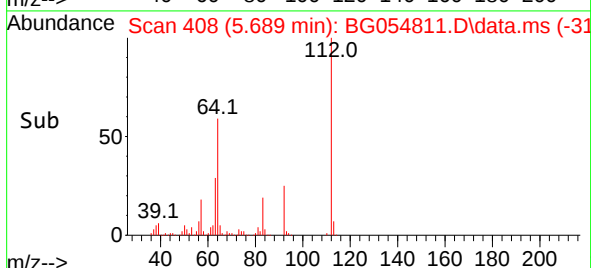
Reviewed By :Christian Giraldo 09/01/2022
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#5
2-Fluorophenol
Concen: 46.312 ng
RT: 5.689 min Scan# 408
Delta R.T. 0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06



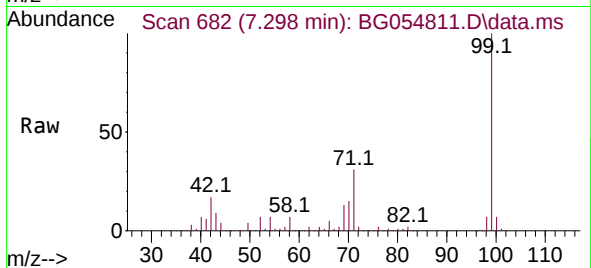
Tgt Ion:112 Resp: 141016
Ion Ratio Lower Upper
112 100
64 59.1 49.3 73.9
63 29.5 26.3 39.5





#7
Phenol-d6
Concen: 102.112 ng
RT: 7.298 min Scan# 682
Delta R.T. 0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06

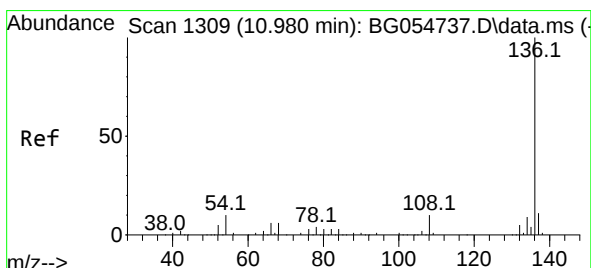
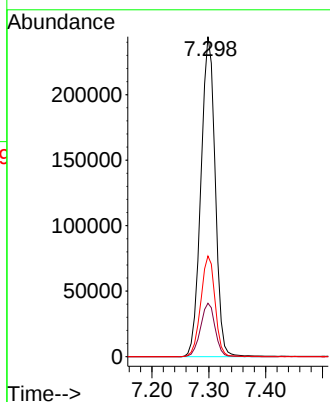
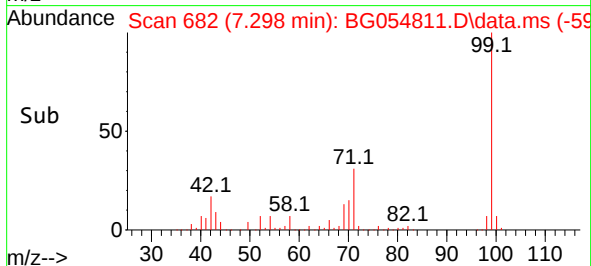
Instrument :
BNA_G
ClientSampleId :
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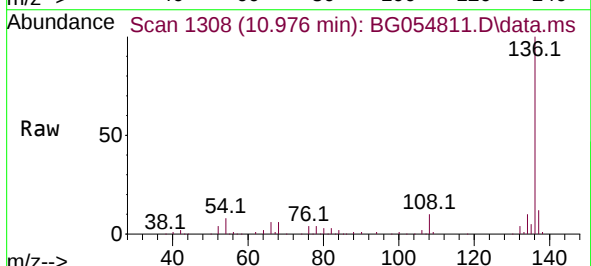
Tgt Ion: 99 Resp: 425211
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 31.4 24.6 37.0

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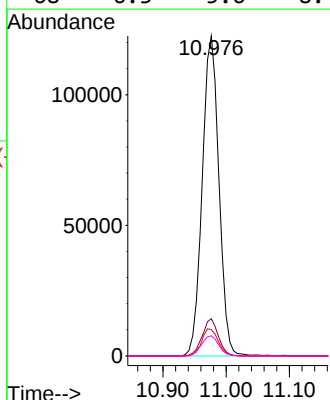
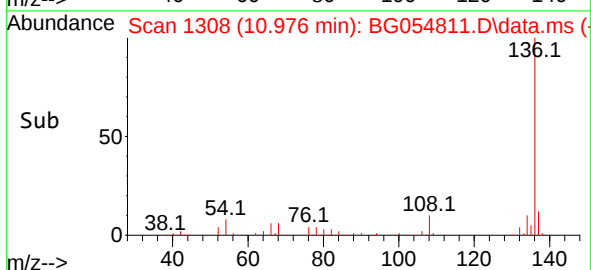
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

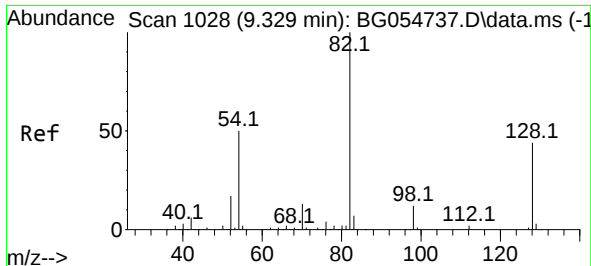


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.976 min Scan# 1308
Delta R.T. -0.004 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06



Tgt Ion:136 Resp: 224488
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 8.2 7.7 11.5
68 6.3 5.6 8.4





#23

Nitrobenzene-d5

Concen: 85.356 ng

RT: 9.325 min Scan# 1028

Delta R.T. -0.003 min

Lab File: BG054811.D

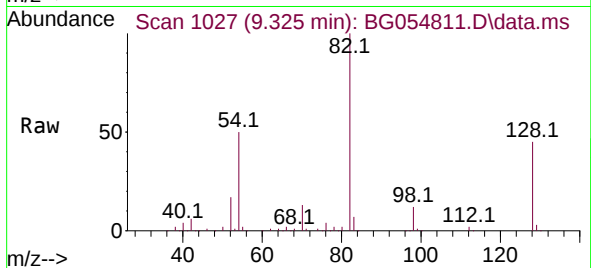
Acq: 31 Aug 2022 18:06

Instrument :

BNA_G

ClientSampleId :

CRUSHED-MASONARY-PILE-3



Tgt Ion: 82 Resp: 365002

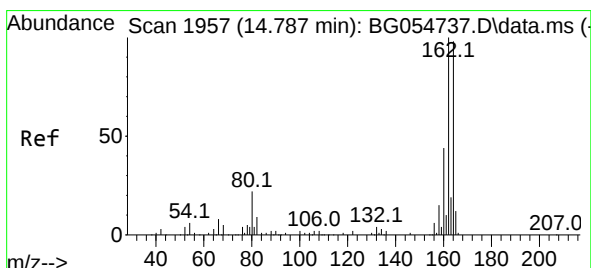
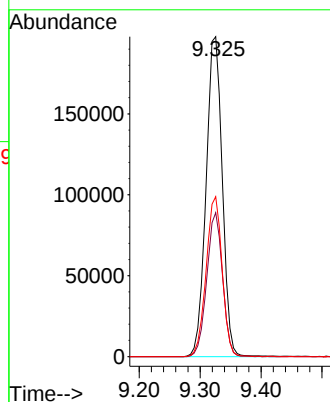
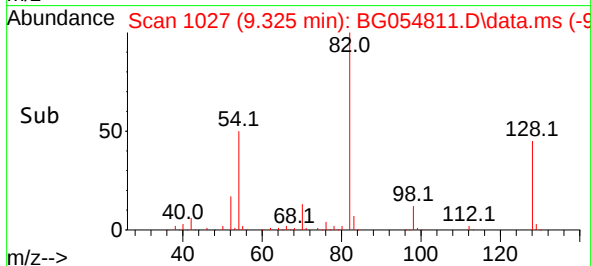
Ion	Ratio	Lower	Upper
82	100		
128	45.0	32.2	48.2
54	50.0	41.4	62.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.784 min Scan# 1956

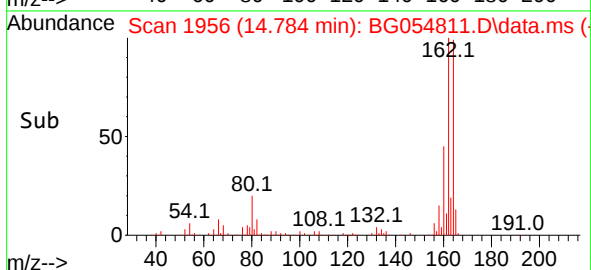
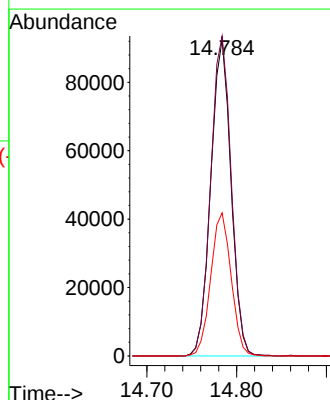
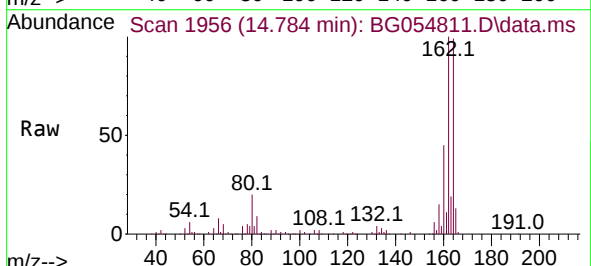
Delta R.T. -0.003 min

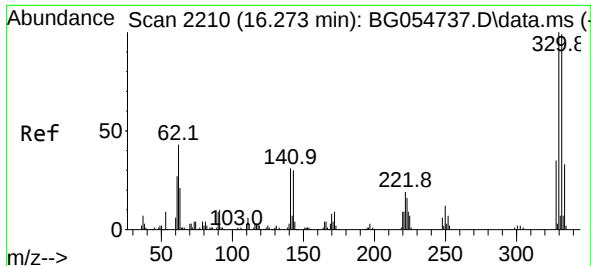
Lab File: BG054811.D

Acq: 31 Aug 2022 18:06

Tgt Ion:164 Resp: 144653

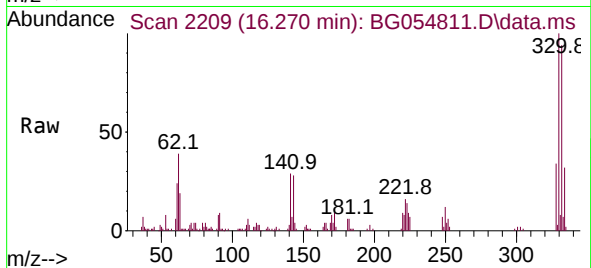
Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.0	124.4
160	45.2	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 31.780 ng
RT: 16.270 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06

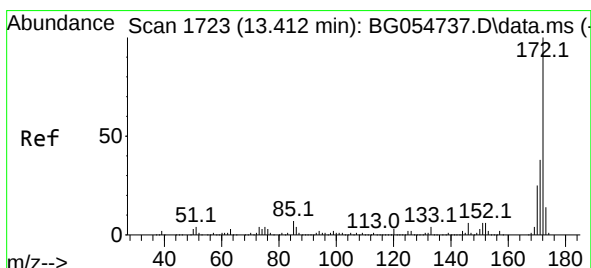
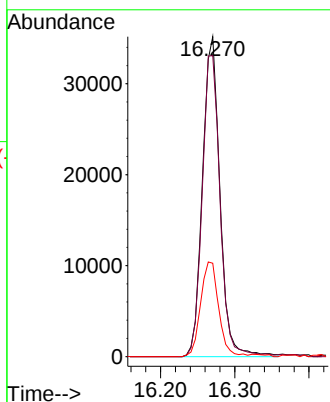
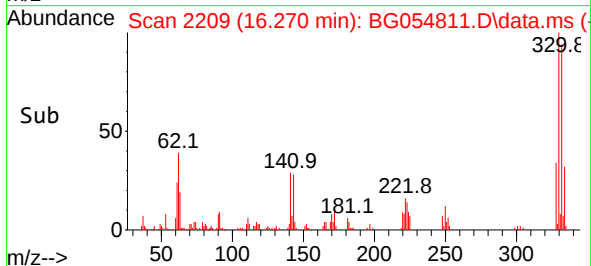
Instrument :
BNA_G
ClientSampleId :
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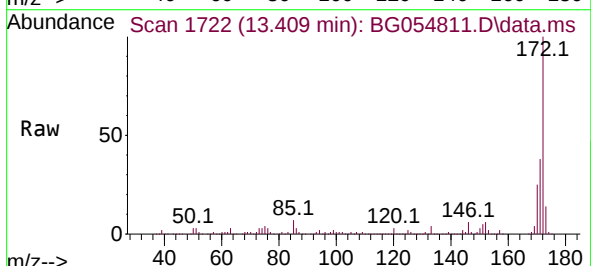
Tgt Ion:330 Resp: 57443
Ion Ratio Lower Upper
330 100
332 96.7 79.8 119.6
141 30.6 26.8 40.2

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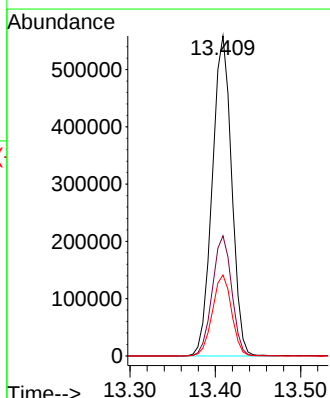
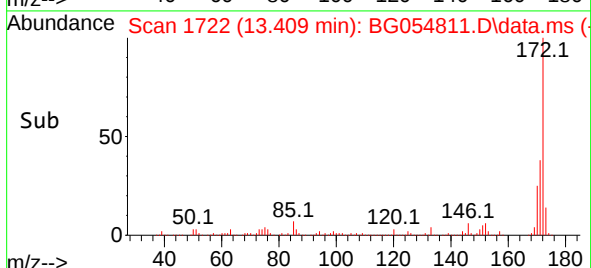
Reviewed By :Christian Giraldo 09/01/2022
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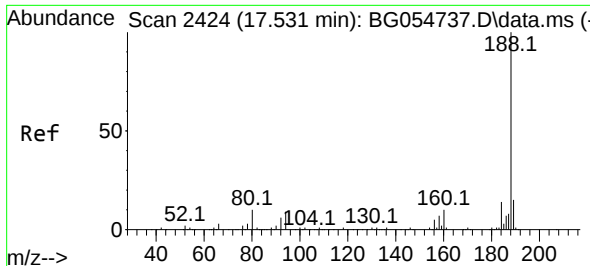


#45
2-Fluorobiphenyl
Concen: 91.524 ng
RT: 13.409 min Scan# 1722
Delta R.T. -0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06



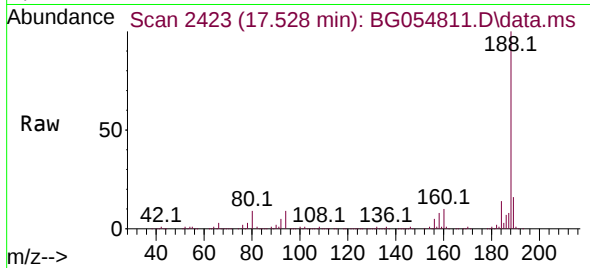
Tgt Ion:172 Resp: 880844
Ion Ratio Lower Upper
172 100
171 37.5 31.2 46.8
170 25.3 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.528 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06

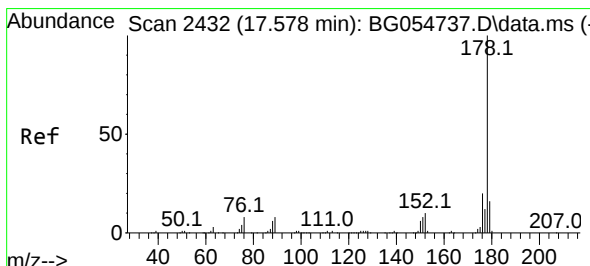
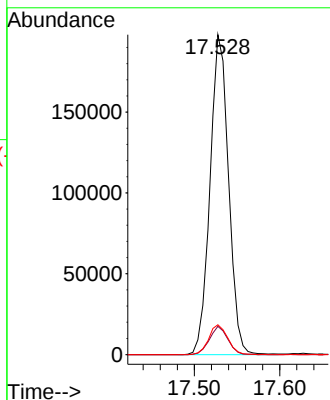
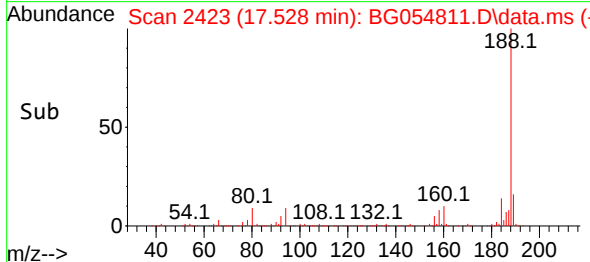
Instrument :
BNA_G
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CRUSHED-MASONARY-PILE-3



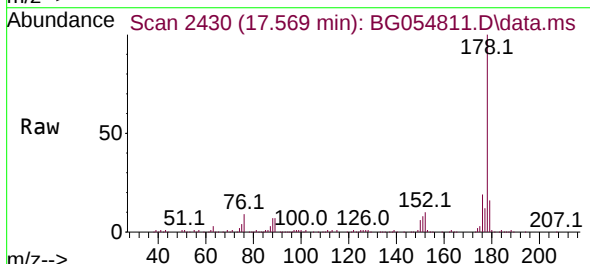
Tgt Ion:188 Resp: 299008
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.4
80 9.3 7.9 11.9

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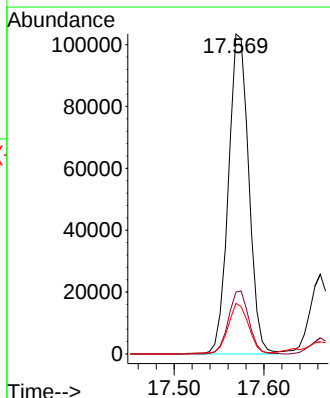
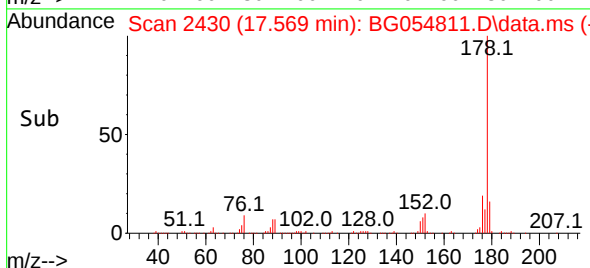
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

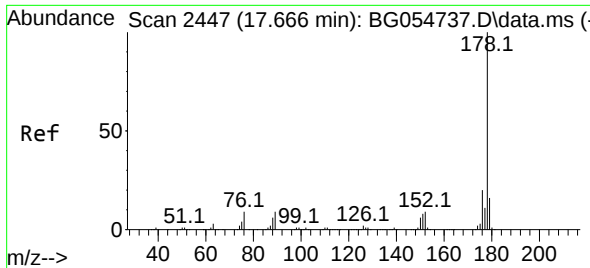


#71
Phenanthrene
Concen: 10.246 ng
RT: 17.569 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06



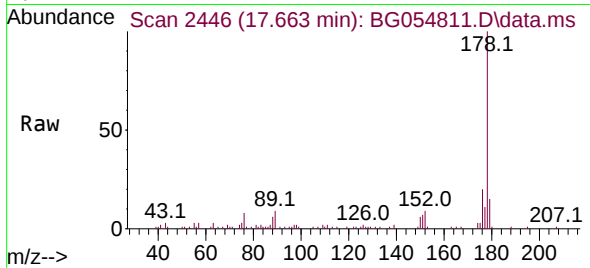
Tgt Ion:178 Resp: 163208
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.8 12.8 19.2





#72
 Anthracene
 Concen: 2.442 ng
 RT: 17.663 min Scan# 2447
 Delta R.T. -0.003 min
 Lab File: BG054811.D
 Acq: 31 Aug 2022 18:06

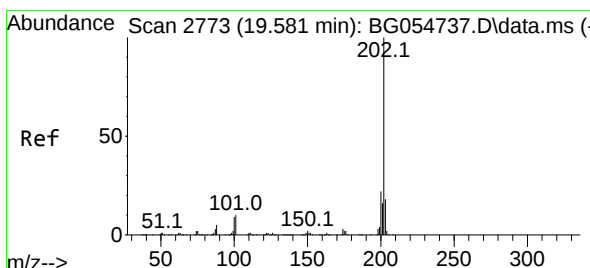
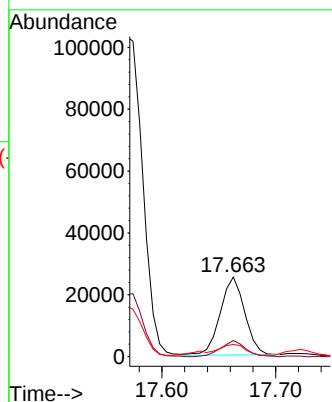
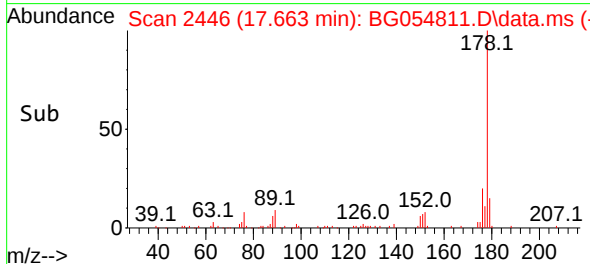
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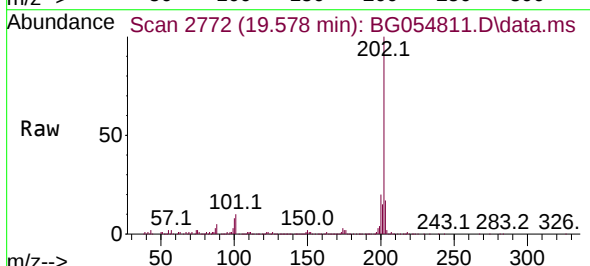
Tgt Ion:178 Resp: 37823
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.2 24.4
 179 15.1 12.9 19.3

Manual Integrations
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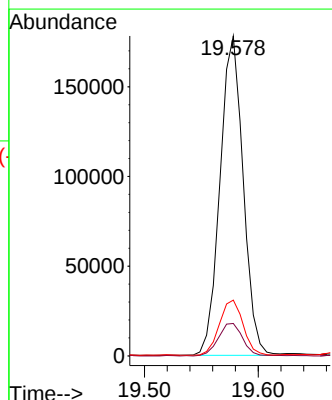
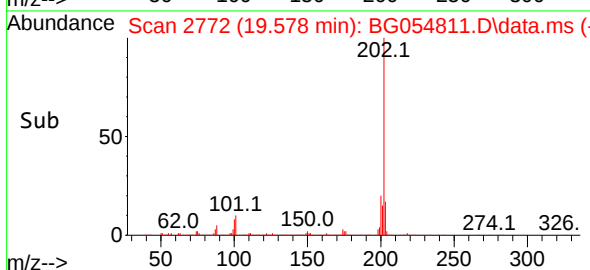
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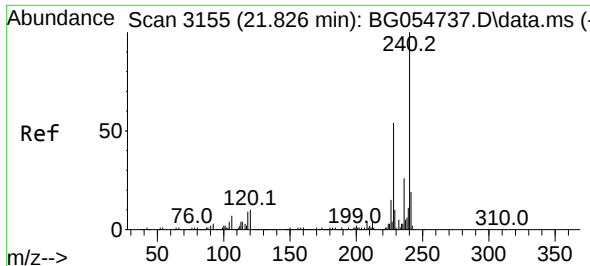


#75
 Fluoranthene
 Concen: 13.003 ng
 RT: 19.578 min Scan# 2772
 Delta R.T. -0.003 min
 Lab File: BG054811.D
 Acq: 31 Aug 2022 18:06



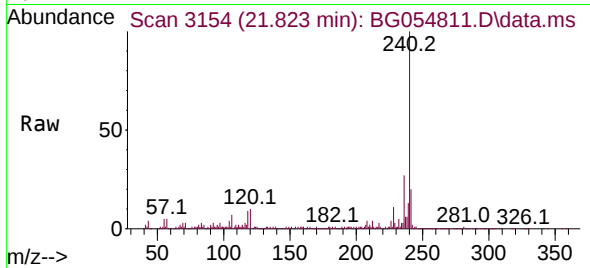
Tgt Ion:202 Resp: 251952
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.4
 203 17.4 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.823 min Scan# 3155
Delta R.T. -0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06

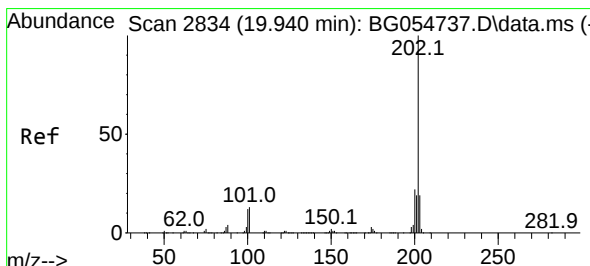
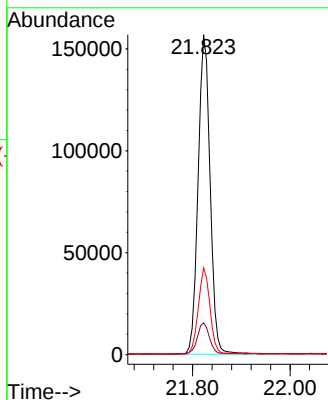
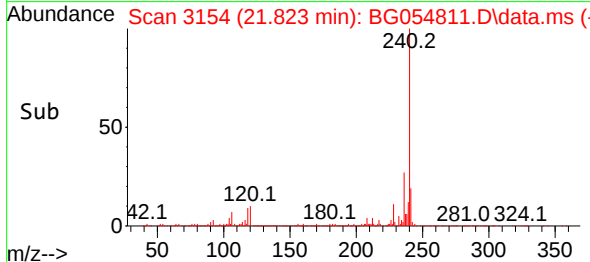
Instrument :
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ClientSampleId :
CRUSHED-MASONARY-PILE-3



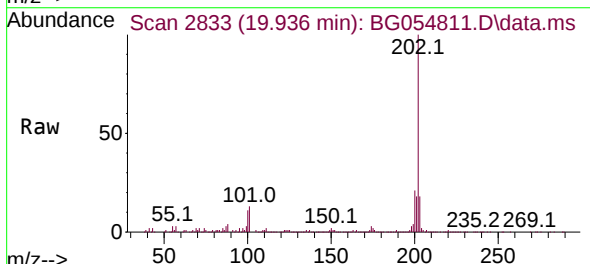
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Ion Ratio Lower Upper
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120 9.9 8.2 12.4
236 27.1 21.2 31.8

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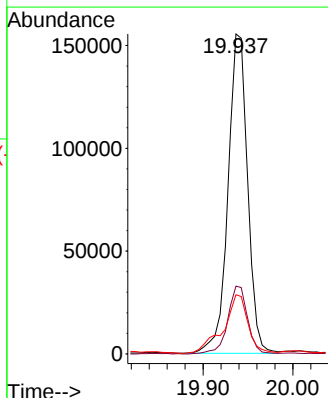
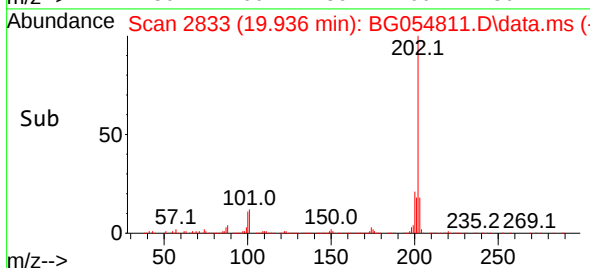
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

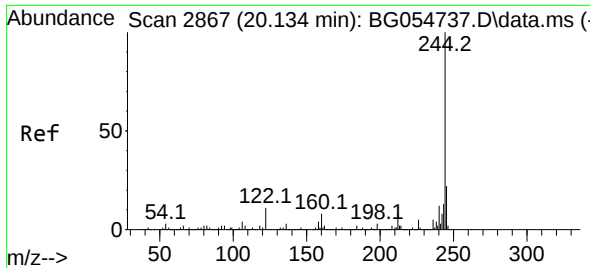


#78
Pyrene
Concen: 12.676 ng
RT: 19.936 min Scan# 2833
Delta R.T. -0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06



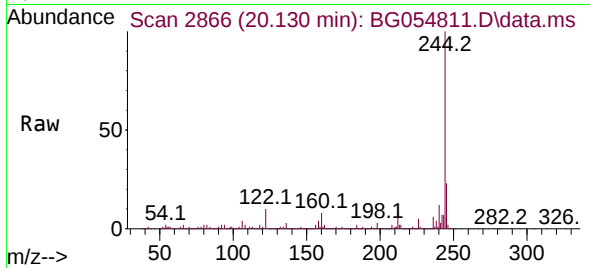
Tgt Ion:202 Resp: 236075
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 18.5 14.6 21.8





#79
 Terphenyl-d14
 Concen: 91.360 ng
 RT: 20.130 min Scan# 2867
 Delta R.T. -0.003 min
 Lab File: BG054811.D
 Acq: 31 Aug 2022 18:06

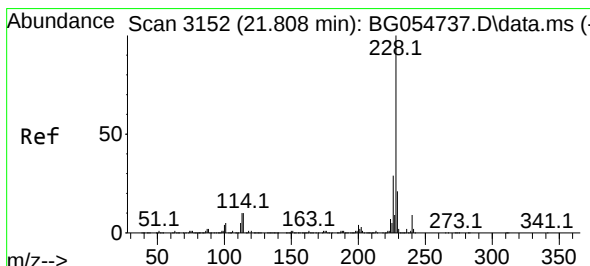
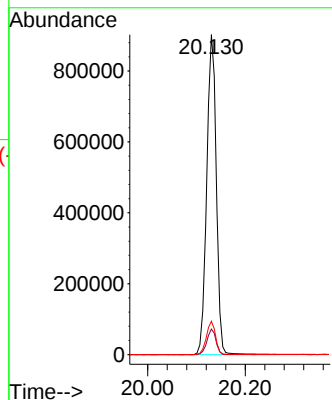
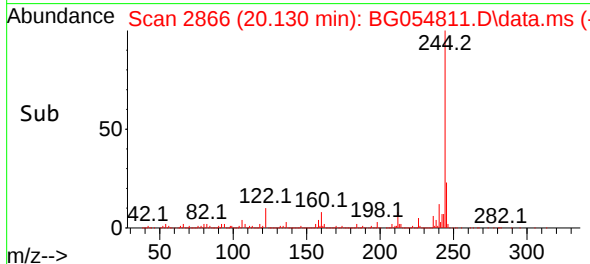
Instrument :
 BNA_G
 ClientSampleId :
 CRUSHED-MASONARY-PILE-3



Tgt Ion:244 Resp: 1231552
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 10.4 9.0 13.6

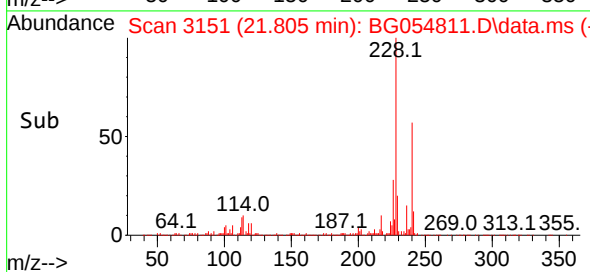
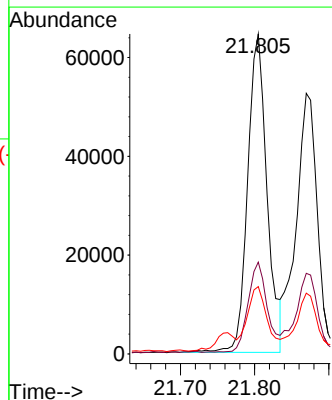
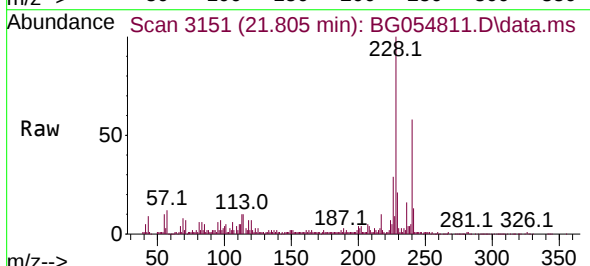
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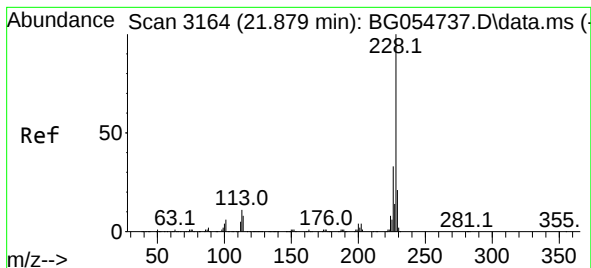
Reviewed By :Christian Giraldo 09/01/2022
 Supervised By :Jagrut Upadhyay 09/01/2022



#81
 Benzo(a)anthracene
 Concen: 6.460 ng
 RT: 21.805 min Scan# 3151
 Delta R.T. -0.003 min
 Lab File: BG054811.D
 Acq: 31 Aug 2022 18:06

Tgt Ion:228 Resp: 116987
 Ion Ratio Lower Upper
 228 100
 226 28.7 23.4 35.2
 229 21.0 16.5 24.7





#83

Chrysene

Concen: 5.938 ng

RT: 21.870 min Scan# 3164

Delta R.T. -0.009 min

Lab File: BG054811.D

Acq: 31 Aug 2022 18:06

Instrument :

BNA_G

ClientSampleId :

CRUSHED-MASONARY-PILE-3

Tgt Ion:228 Resp: 102828

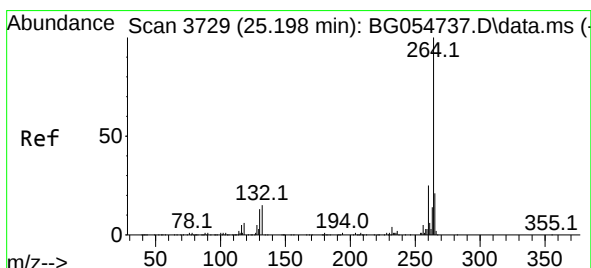
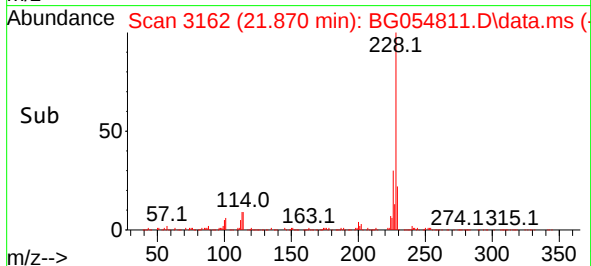
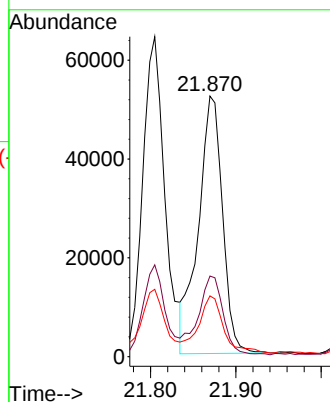
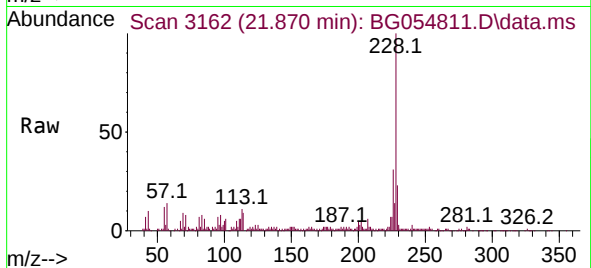
Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.5	38.3
229	23.3	16.8	25.2

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Reviewed By :Christian Giraldo 09/01/2022

Supervised By :Jagrut Upadhyay 09/01/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.195 min Scan# 3728

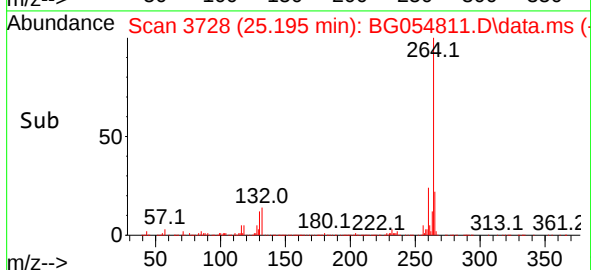
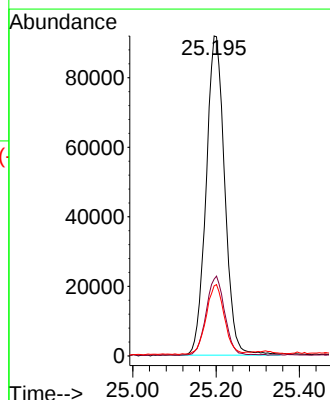
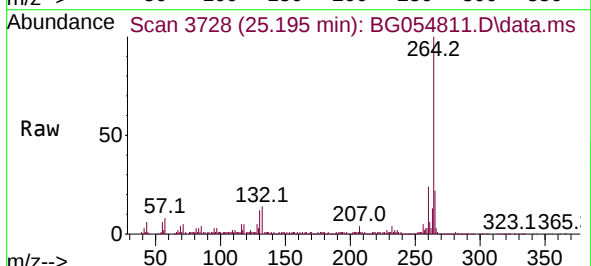
Delta R.T. -0.003 min

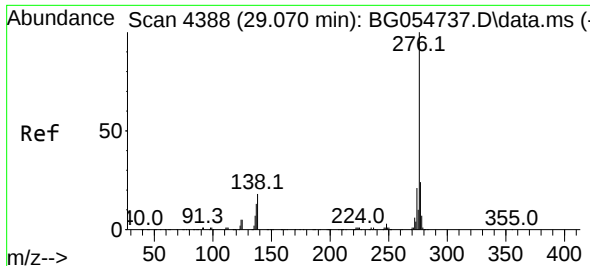
Lab File: BG054811.D

Acq: 31 Aug 2022 18:06

Tgt Ion:264 Resp: 285039

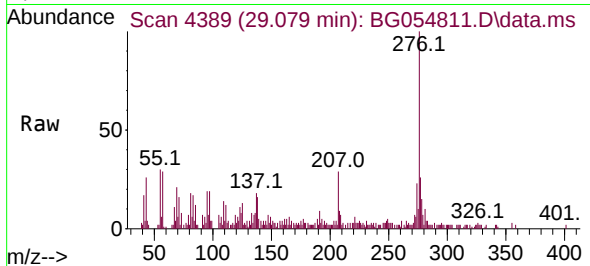
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.9	29.9
265	21.9	16.9	25.3





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.556 ng
 RT: 29.079 min Scan# 4388
 Delta R.T. 0.009 min
 Lab File: BG054811.D
 Acq: 31 Aug 2022 18:06

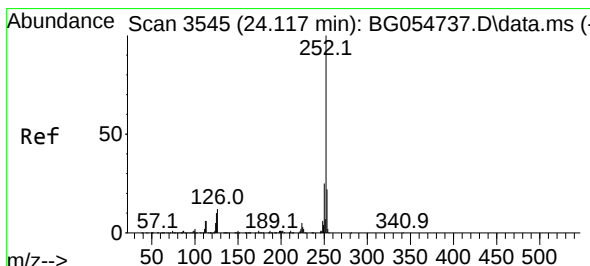
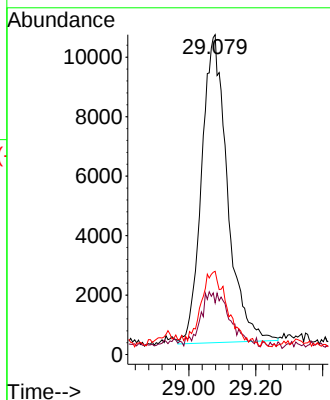
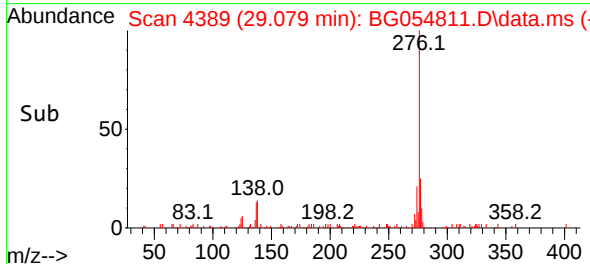
Instrument :
 BNA_G
 ClientSampleId :
 CRUSHED-MASONARY-PILE-3



Tgt Ion: 276 Resp: 55310
 Ion Ratio Lower Upper
 276 100
 138 9.8 12.0 18.0
 277 21.9 20.2 30.4

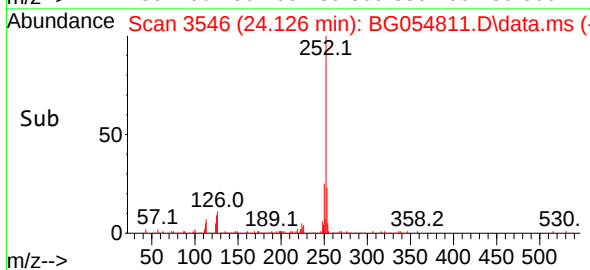
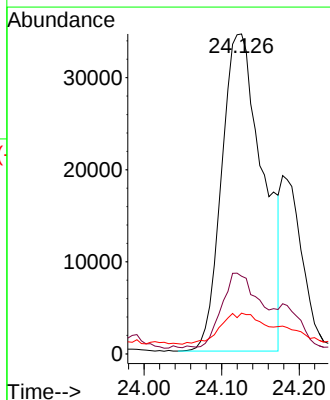
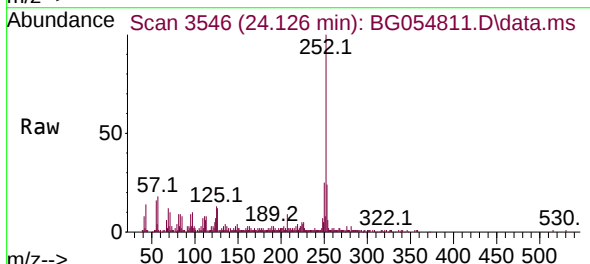
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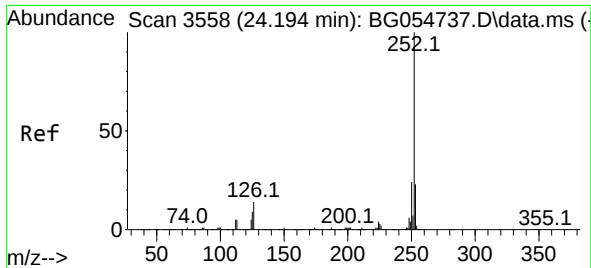
Reviewed By : Christian Giraldo 09/01/2022
 Supervised By : Jagrut Upadhyay 09/01/2022



#88
 Benzo(b)fluoranthene
 Concen: 7.112 ng
 RT: 24.126 min Scan# 3546
 Delta R.T. 0.009 min
 Lab File: BG054811.D
 Acq: 31 Aug 2022 18:06

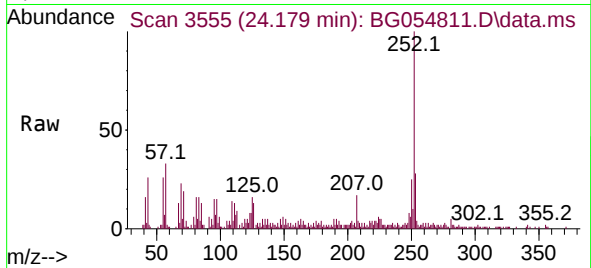
Tgt Ion: 252 Resp: 127168
 Ion Ratio Lower Upper
 252 100
 253 24.3 18.0 27.0
 125 12.7 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 2.042 ng m
RT: 24.179 min Scan# 3555
Delta R.T. -0.015 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06

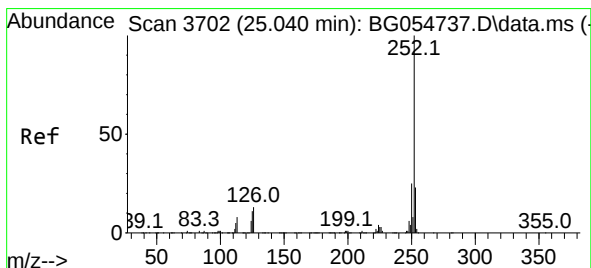
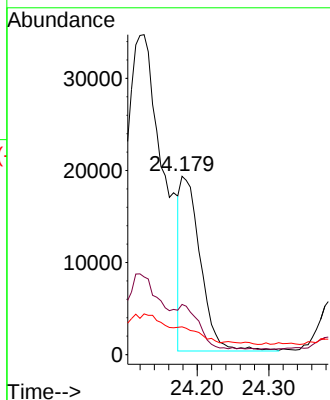
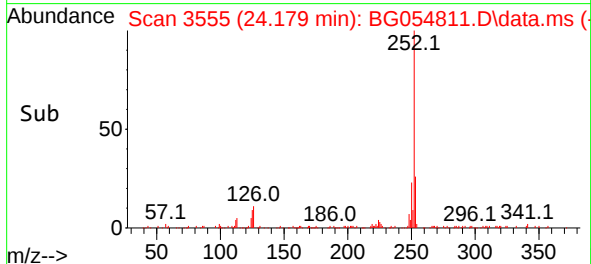
Instrument : BNA_G
ClientSampleId : CRUSHED-MASONARY-PILE-3



Tgt Ion:252 Resp: 36752
Ion Ratio Lower Upper
252 100
253 28.1 17.8 26.8
125 15.6 8.2 12.4

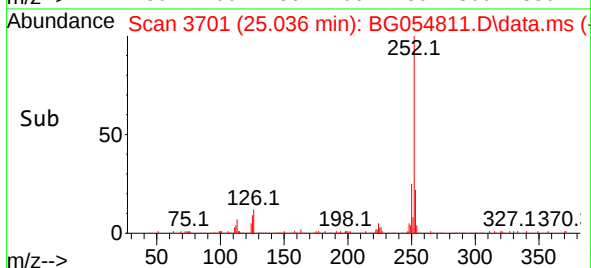
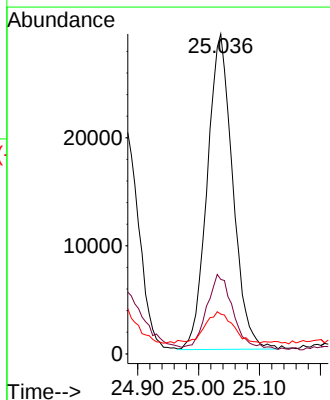
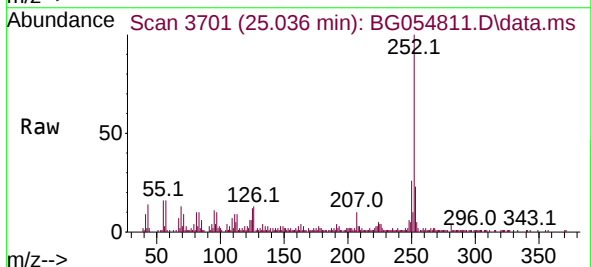
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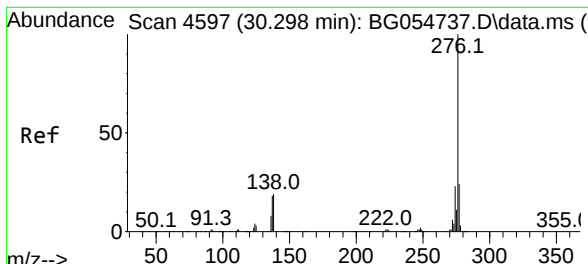
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#90
Benzo(a)pyrene
Concen: 5.554 ng
RT: 25.036 min Scan# 3701
Delta R.T. -0.003 min
Lab File: BG054811.D
Acq: 31 Aug 2022 18:06

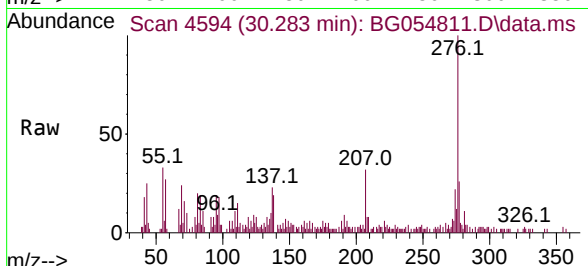
Tgt Ion:252 Resp: 84841
Ion Ratio Lower Upper
252 100
253 23.3 18.3 27.5
125 12.4 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.192 ng
 RT: 30.283 min Scan# 4594
 Delta R.T. -0.015 min
 Lab File: BG054811.D
 Acq: 31 Aug 2022 18:06

Instrument : BNA_G
 ClientSampleId : CRUSHED-MASONARY-PILE-3



Tgt Ion:	276	Resp:	56856
Ion Ratio	Lower	Upper	
276	100		
277	26.5	19.4	29.0
138	18.9	16.6	25.0

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

