

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054418.D
 Acq On : 27 Jul 2022 16:21
 Operator : CG/JU
 Sample : N3891-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/28/2022
 Supervised By :Jagrut Upadhyay 07/28/2022

Quant Time: Jul 28 04:34:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	15971	20.000	ng	0.00
21) Naphthalene-d8	10.793	136	62827	20.000	ng	# 0.00
39) Acenaphthene-d10	14.618	164	53195	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	131621	20.000	ng	# 0.00
76) Chrysene-d12	21.627	240	145814	20.000	ng	# 0.00
86) Perylene-d12	24.829	264	154935	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	93696	122.488	ng	0.00
7) Phenol-d6	7.168	99	128875	122.954	ng	0.00
23) Nitrobenzene-d5	9.148	82	88020	76.294	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	127034	113.738	ng	0.00
45) 2-Fluorobiphenyl	13.243	172	255284	67.700	ng	0.00
79) Terphenyl-d14	19.976	244	511227	69.553	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.409	178	16751	2.556	ng	96
75) Fluoranthene	19.418	202	47901	5.361	ng	97
78) Pyrene	19.782	202	48651	5.815	ng	97
81) Benzo(a)anthracene	21.610	228	31006	3.350	ng	95
83) Chrysene	21.674	228	29001	3.316	ng	94
88) Benzo(b)fluoranthene	23.813	252	44916	4.902	ng	98
90) Benzo(a)pyrene	24.676	252	32010	4.091	ng	98
92) Benzo(g,h,i)perylene	29.653	276	23757m	2.484	ng	

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

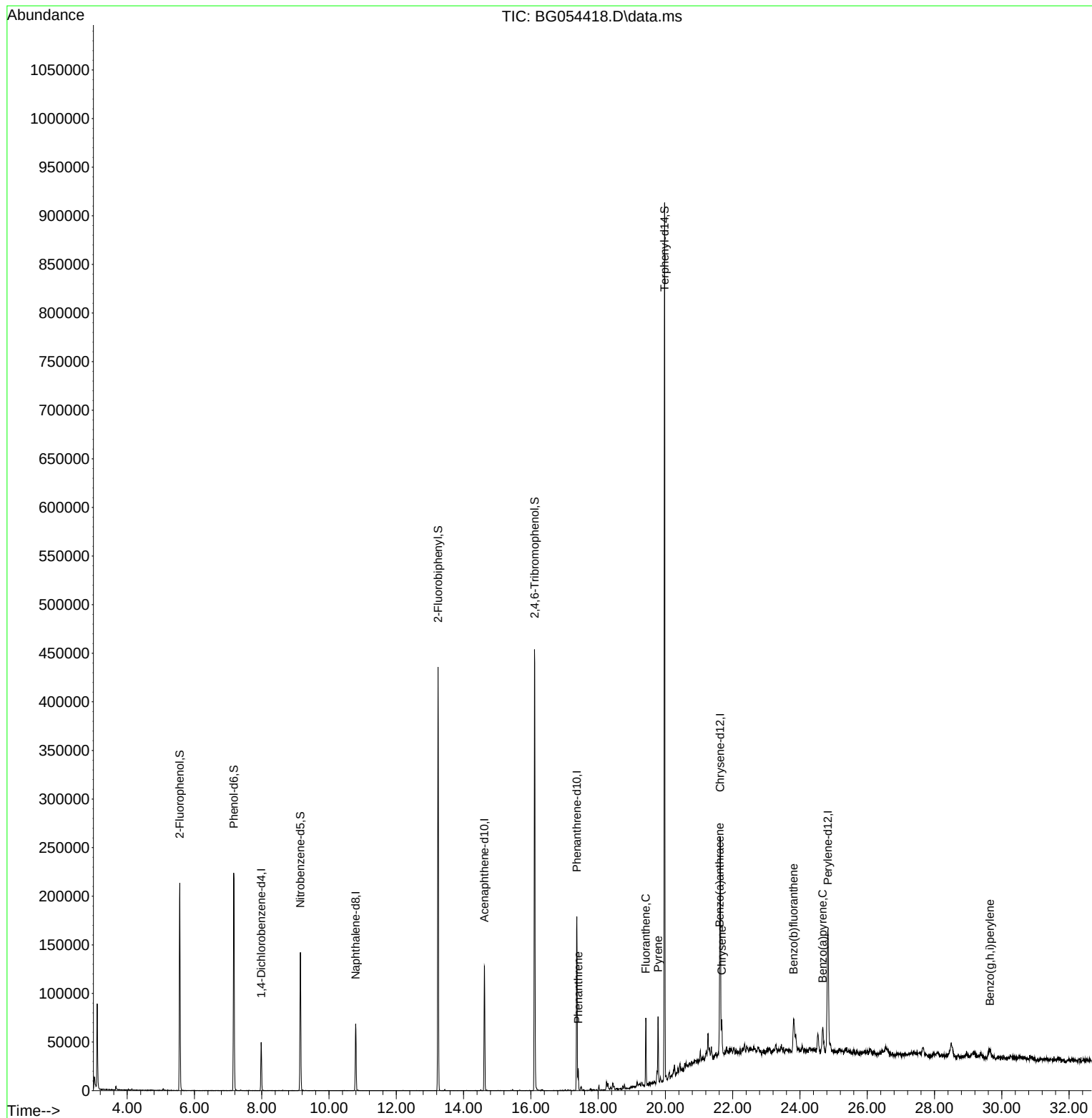
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
Data File : BG054418.D
Acq On : 27 Jul 2022 16:21
Operator : CG/JU
Sample : N3891-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

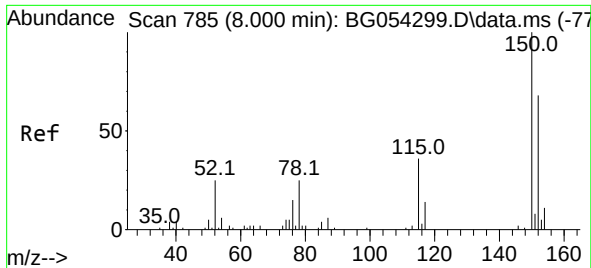
Instrument :
BNA_G
ClientSampleId :
TP-1

Quant Time: Jul 28 04:34:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

Manual Integrations
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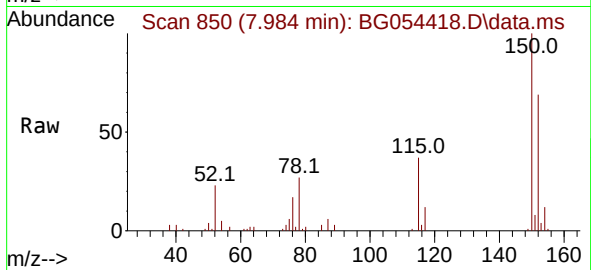
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.984 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

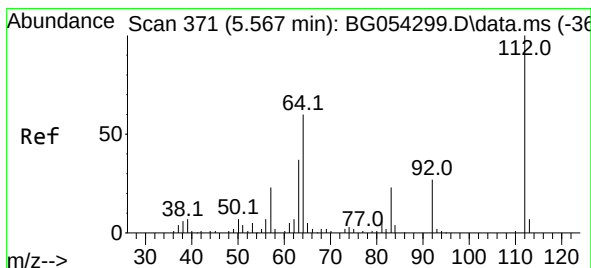
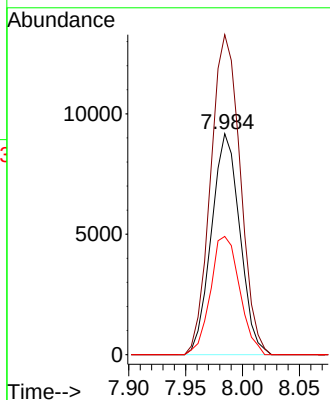
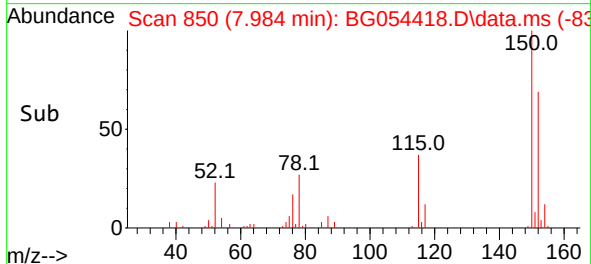
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 1597
Ion Ratio Lower Upper
152 100
150 144.8 131.6 197.4
115 53.5 50.9 76.3

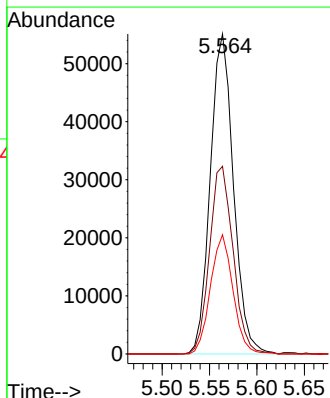
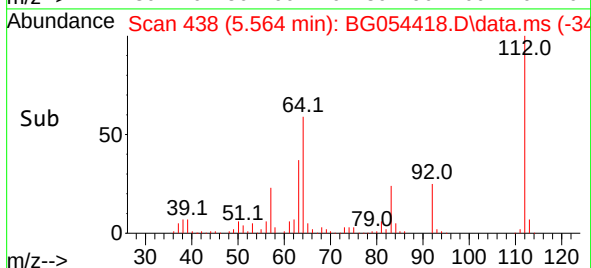
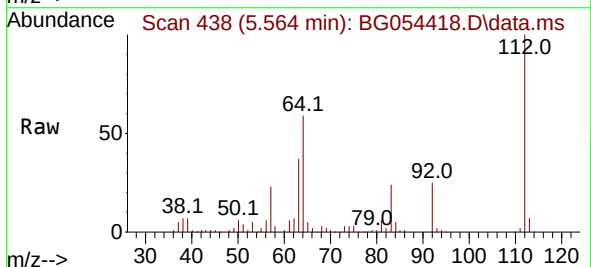
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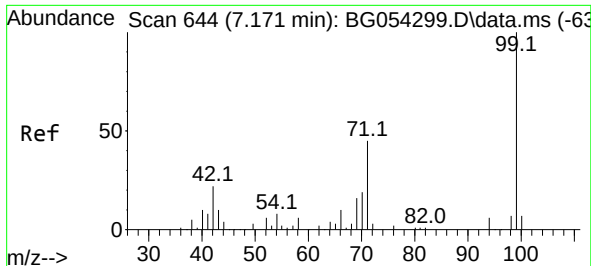
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#5
2-Fluorophenol
Concen: 122.488 ng
RT: 5.564 min Scan# 438
Delta R.T. 0.002 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

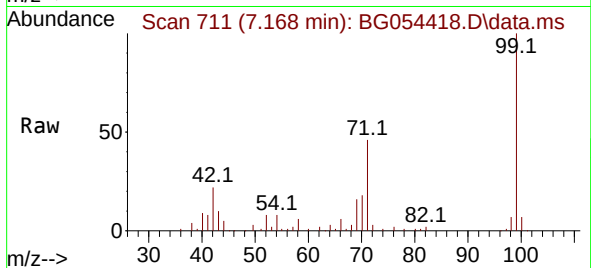
Tgt Ion:112 Resp: 93696
Ion Ratio Lower Upper
112 100
64 58.6 55.1 82.7
63 37.3 30.4 45.6





#7
Phenol-d6
Concen: 122.954 ng
RT: 7.168 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

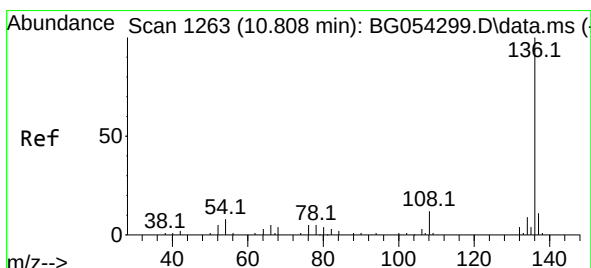
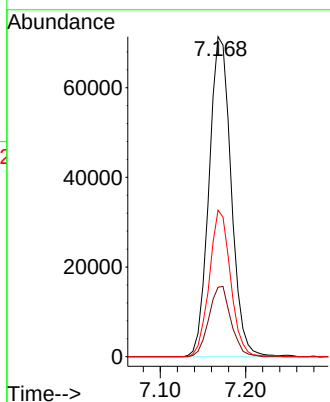
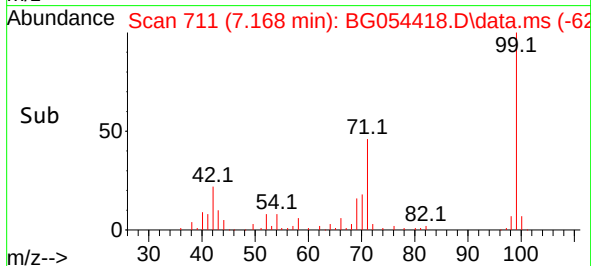
Instrument :
BNA_G
ClientSampleId :
TP-1



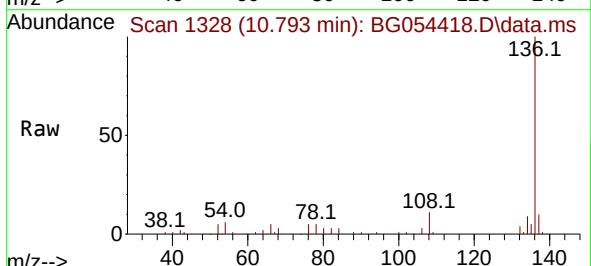
Tgt Ion: 99 Resp: 12887
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 45.8 33.8 50.8

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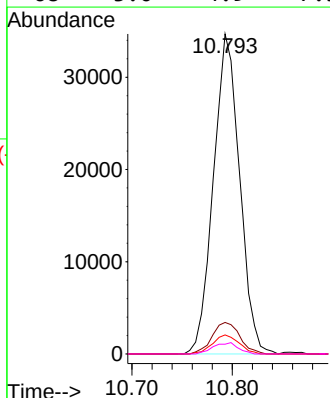
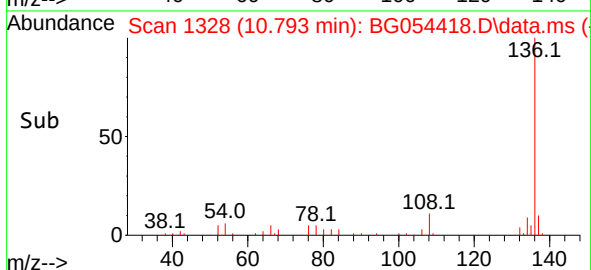
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022

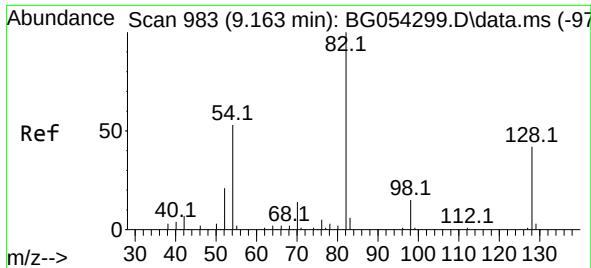


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.793 min Scan# 1328
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21



Tgt Ion:136 Resp: 62827
Ion Ratio Lower Upper
136 100
137 9.8 8.5 12.7
54 6.0 7.4 11.2#
68 3.0 4.9 7.3#





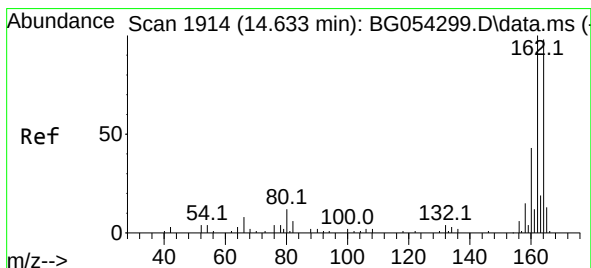
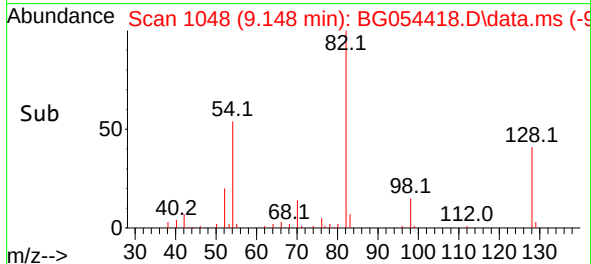
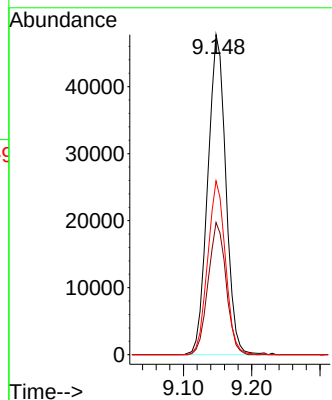
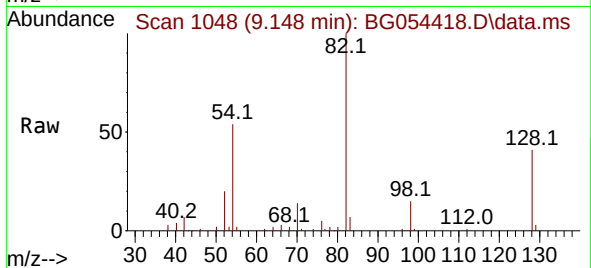
#23
Nitrobenzene-d5
Concen: 76.294 ng
RT: 9.148 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 88020
Ion Ratio Lower Upper
82 100
128 41.3 27.9 41.9
54 54.3 41.2 61.8

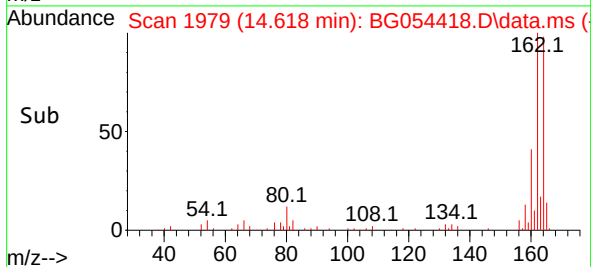
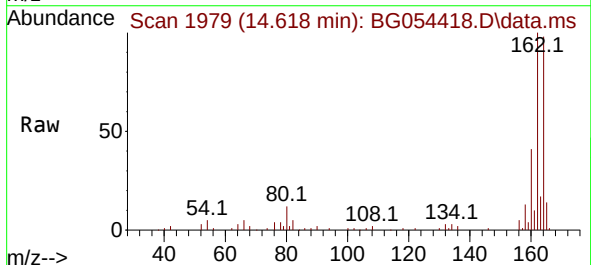
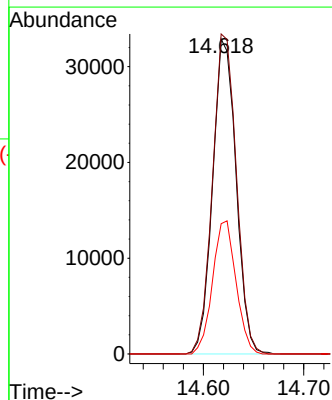
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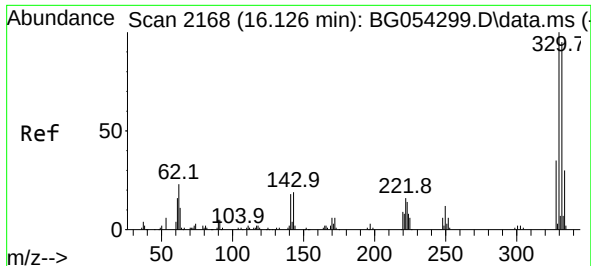
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.618 min Scan# 1979
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

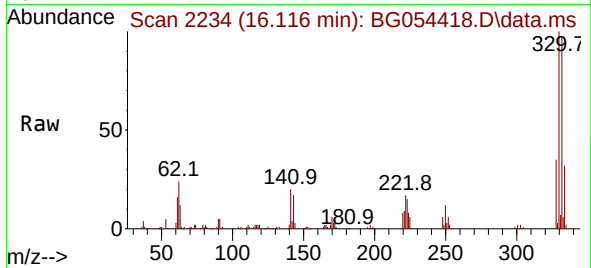
Tgt Ion:164 Resp: 53195
Ion Ratio Lower Upper
164 100
162 101.6 82.3 123.5
160 41.4 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 113.738 ng
RT: 16.116 min Scan# 2168
Delta R.T. 0.002 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

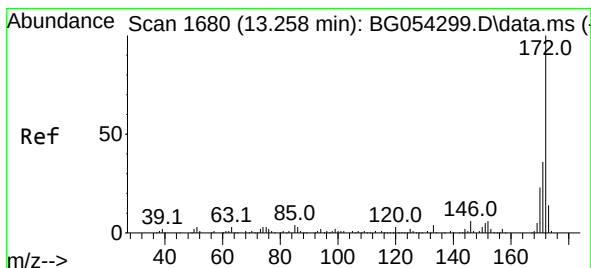
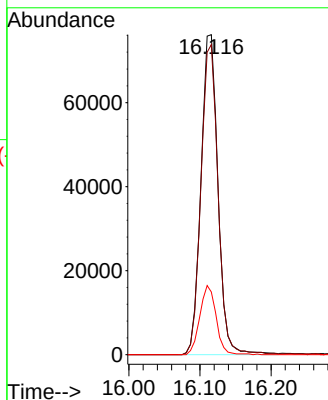
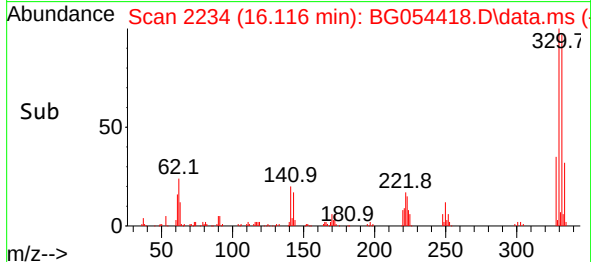
Instrument :
BNA_G
ClientSampleId :
TP-1



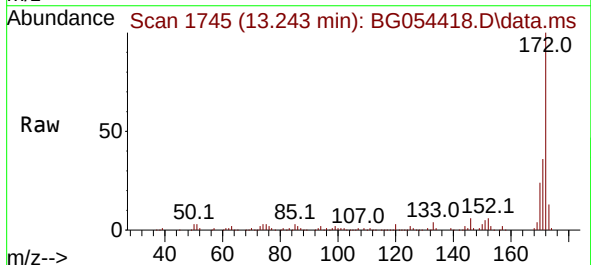
Tgt Ion:330 Resp: 127034
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 20.7 27.1 40.7

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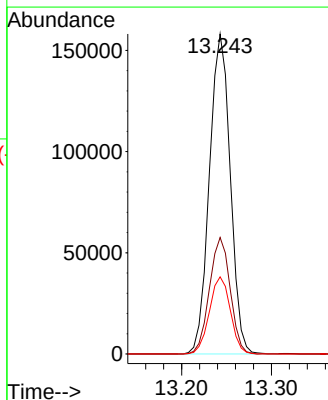
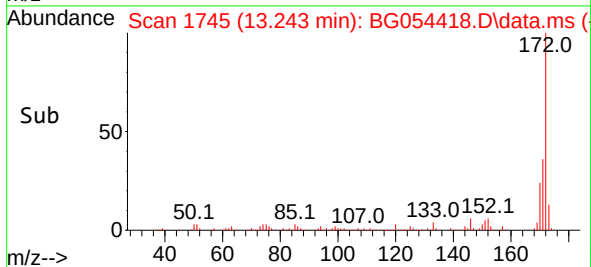
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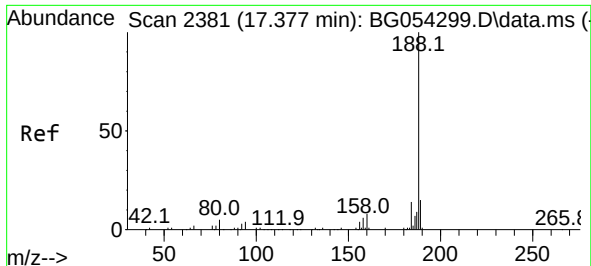


#45
2-Fluorobiphenyl
Concen: 67.700 ng
RT: 13.243 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21



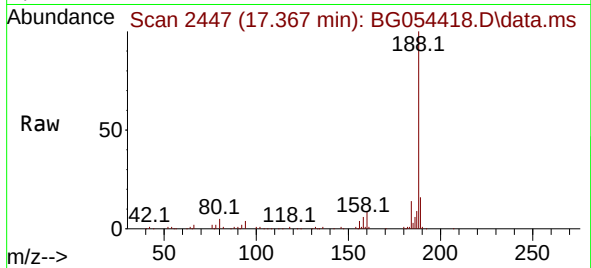
Tgt Ion:172 Resp: 255284
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 24.1 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 2447
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

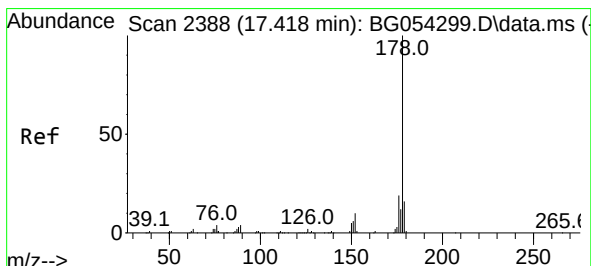
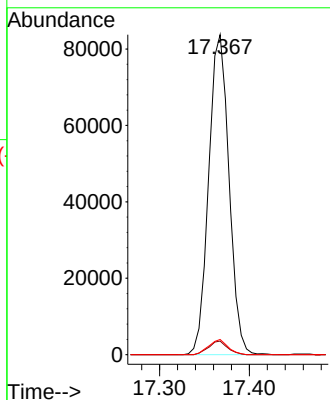
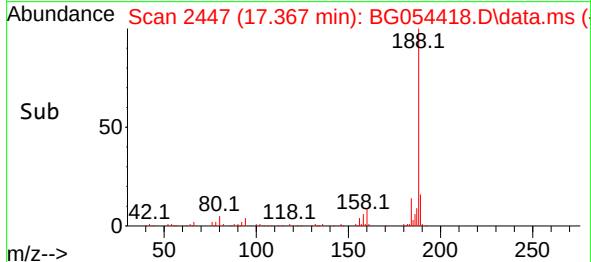
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:188 Resp: 13162
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0
80 4.7 6.8 10.2

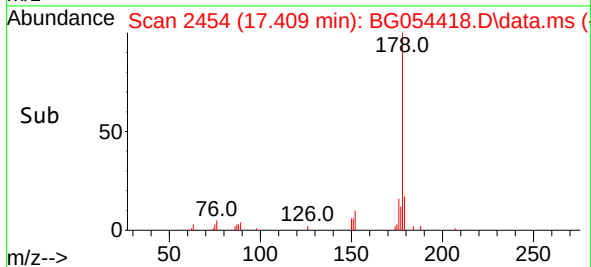
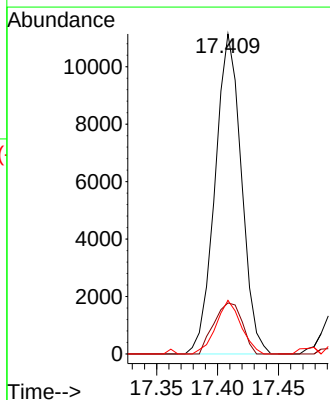
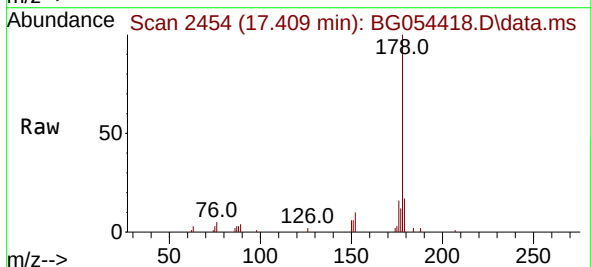
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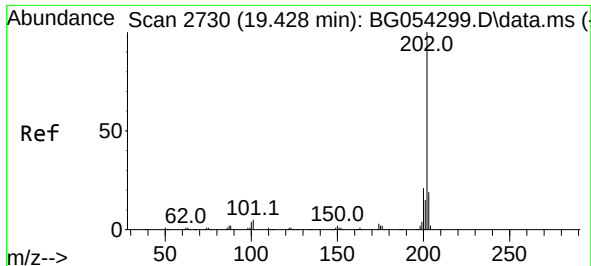
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#71
Phenanthrene
Concen: 2.556 ng
RT: 17.409 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

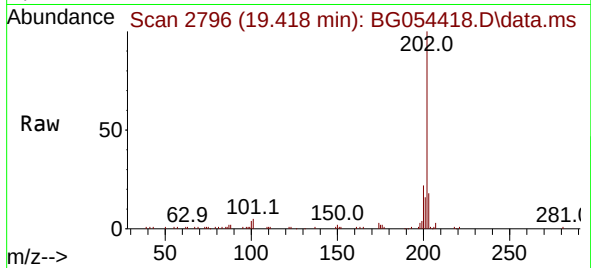
Tgt Ion:178 Resp: 16751
Ion Ratio Lower Upper
178 100
176 16.0 14.1 21.1
179 16.8 12.1 18.1





#75
Fluoranthene
Concen: 5.361 ng
RT: 19.418 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

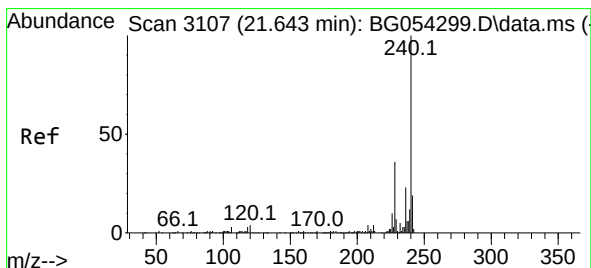
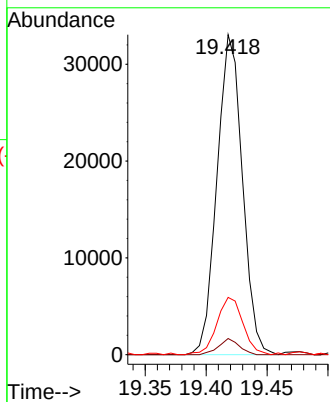
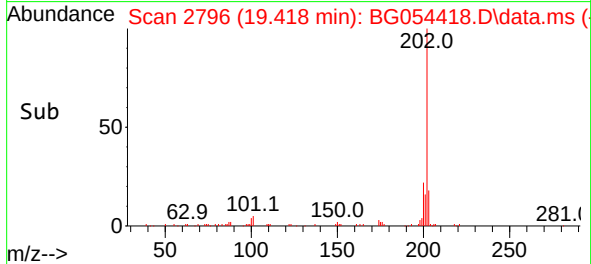
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 4790
Ion Ratio Lower Upper
202 100
101 5.1 0.0 26.9
203 17.9 0.0 37.2

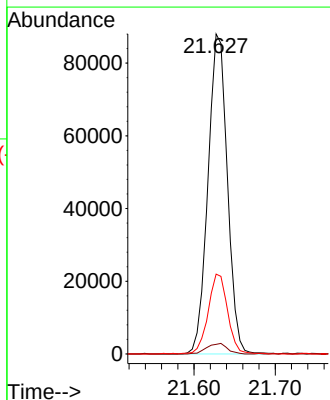
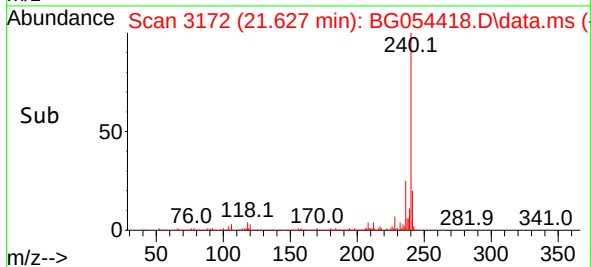
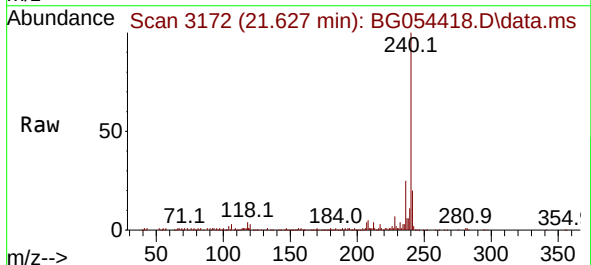
Manual Integrations
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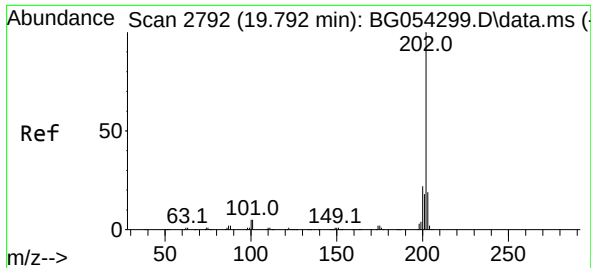
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3172
Delta R.T. -0.010 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Tgt Ion:240 Resp: 145814
Ion Ratio Lower Upper
240 100
120 3.0 4.6 7.0#
236 24.9 20.2 30.4





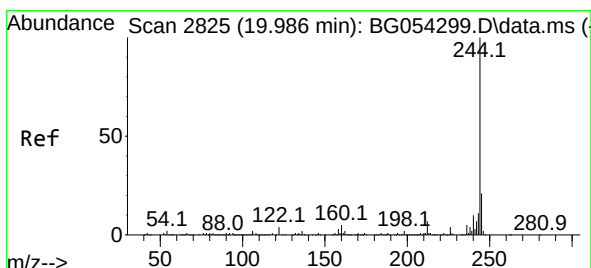
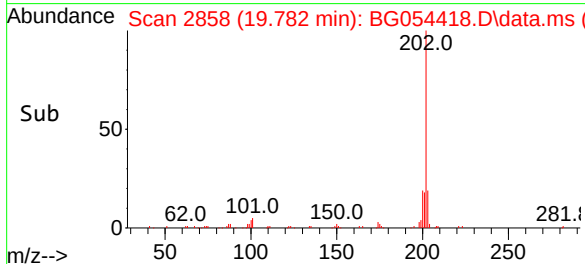
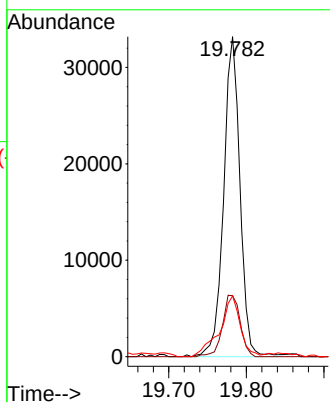
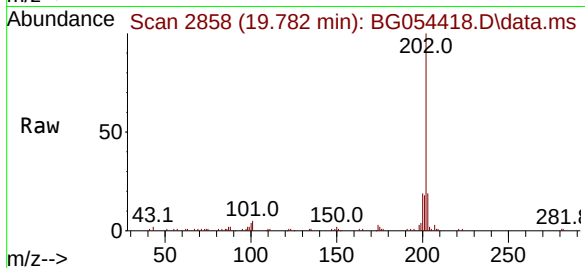
#78
Pyrene
Concen: 5.815 ng
RT: 19.782 min Scan# 2891
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:202 Resp: 4865
Ion Ratio Lower Upper
202 100
200 19.1 16.6 24.8
203 19.0 14.6 21.8

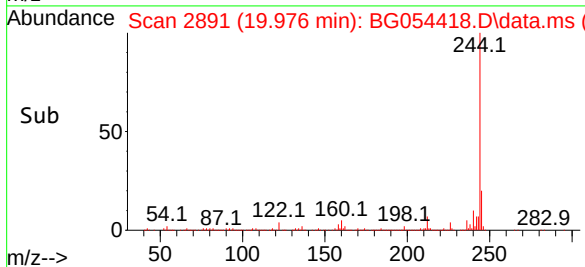
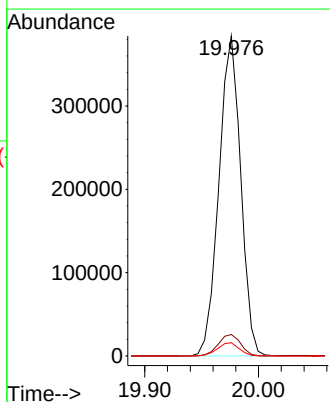
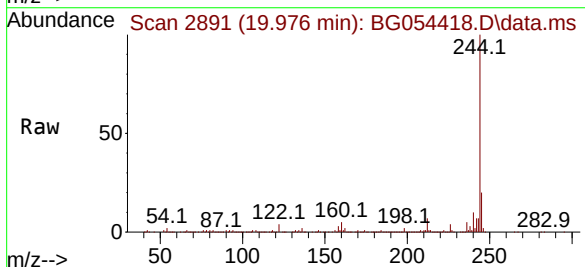
Manual Integrations
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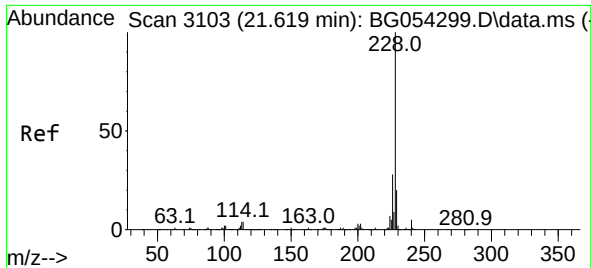
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#79
Terphenyl-d14
Concen: 69.553 ng
RT: 19.976 min Scan# 2891
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Tgt Ion:244 Resp: 511227
Ion Ratio Lower Upper
244 100
212 6.7 6.5 9.7
122 4.2 5.0 7.4#





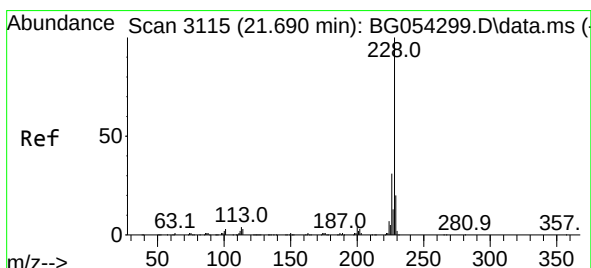
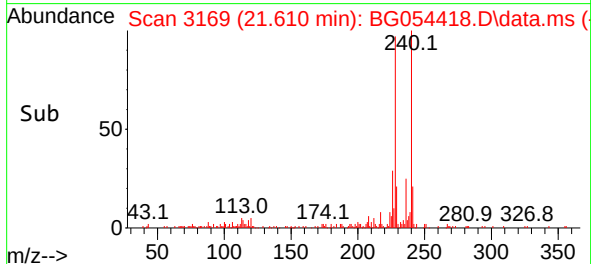
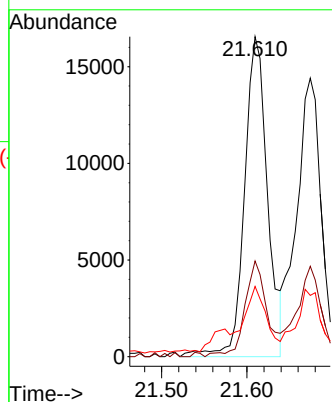
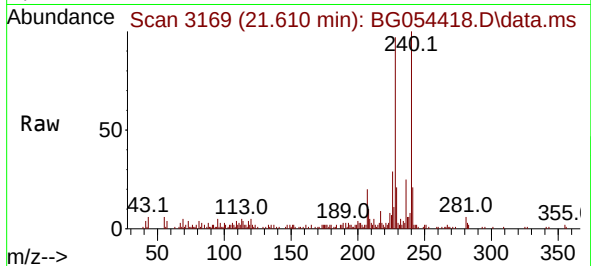
#81
Benzo(a)anthracene
Concen: 3.350 ng
RT: 21.610 min Scan# 3100
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:228 Resp: 31000
Ion Ratio Lower Upper
228 100
226 29.9 21.6 32.4
229 21.9 16.2 24.2

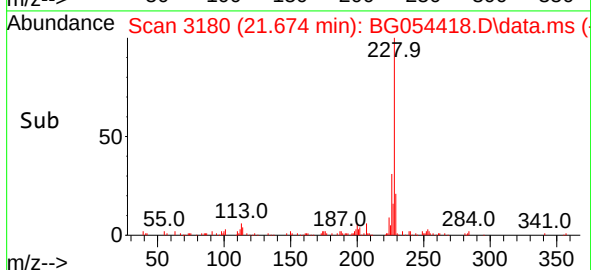
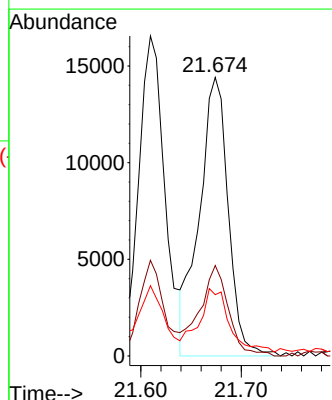
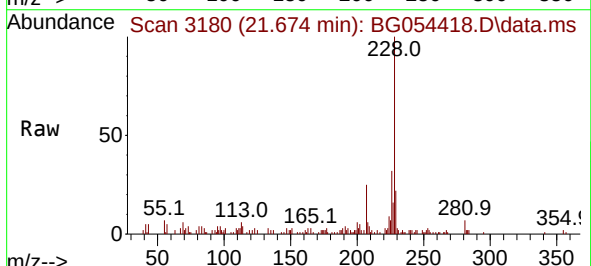
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APPROVED

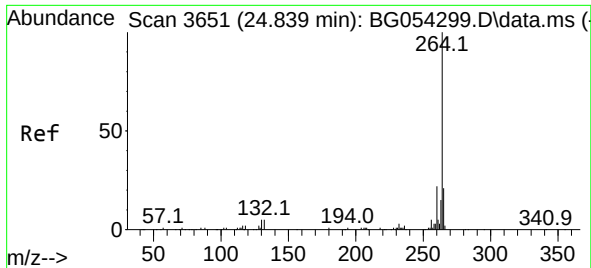
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#83
Chrysene
Concen: 3.316 ng
RT: 21.674 min Scan# 3180
Delta R.T. -0.010 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

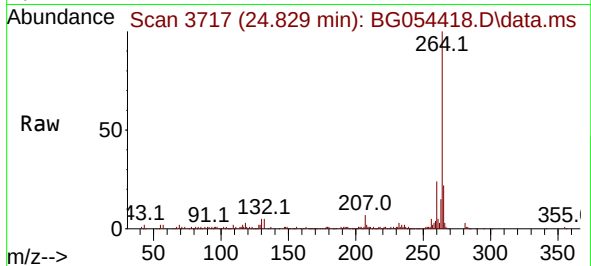
Tgt Ion:228 Resp: 29001
Ion Ratio Lower Upper
228 100
226 32.5 23.4 35.2
229 22.0 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.829 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: BG054418.D
 Acq: 27 Jul 2022 16:21

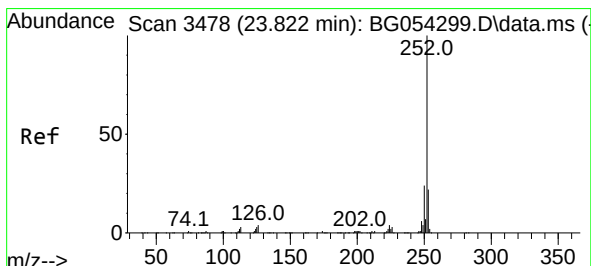
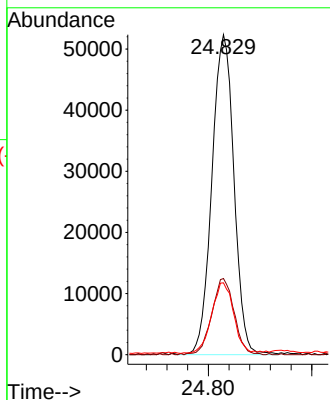
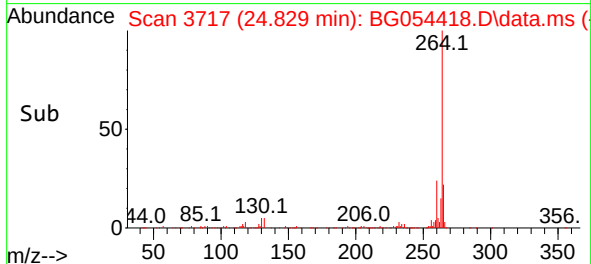
Instrument :
 BNA_G
 ClientSampleId :
 TP-1



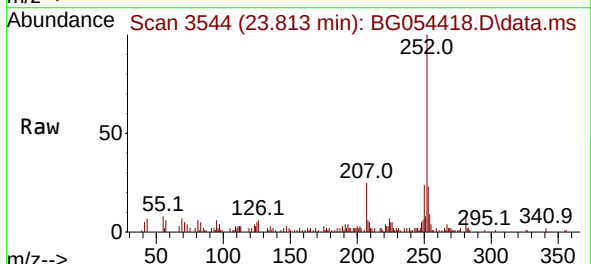
Tgt Ion:264 Resp: 15493
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 22.5 17.4 26.2

Manual Integrations
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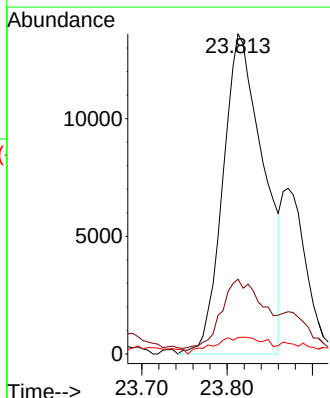
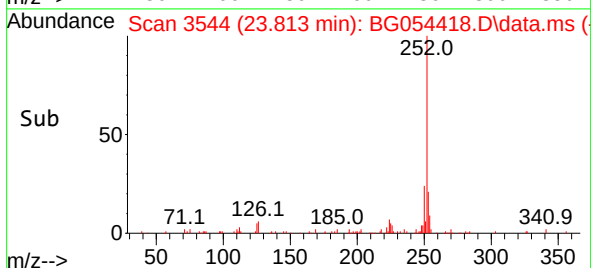
Reviewed By :Christian Giraldo 07/28/2022
 Supervised By :Jagrut Upadhyay 07/28/2022

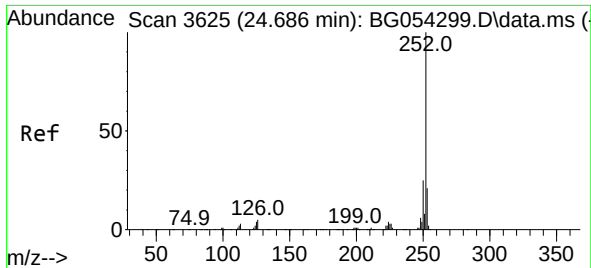


#88
 Benzo(b)fluoranthene
 Concen: 4.902 ng
 RT: 23.813 min Scan# 3544
 Delta R.T. -0.010 min
 Lab File: BG054418.D
 Acq: 27 Jul 2022 16:21



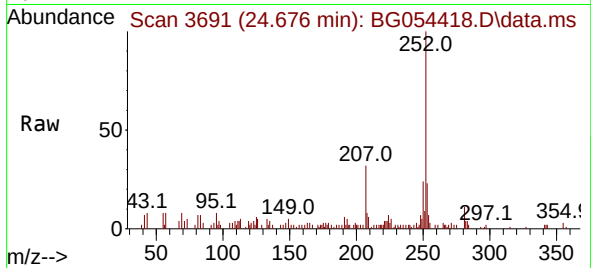
Tgt Ion:252 Resp: 44916
 Ion Ratio Lower Upper
 252 100
 253 23.4 18.0 27.0
 125 5.1 4.6 6.8





#90
Benzo(a)pyrene
Concen: 4.091 ng
RT: 24.676 min Scan# 3691
Delta R.T. -0.010 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

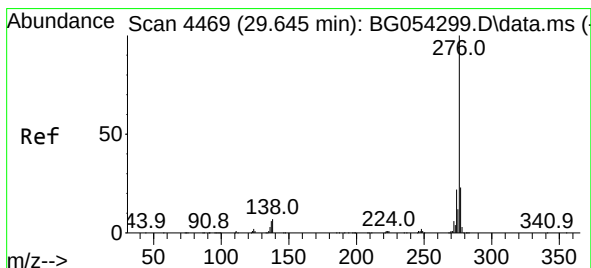
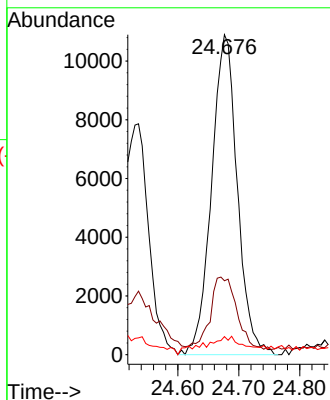
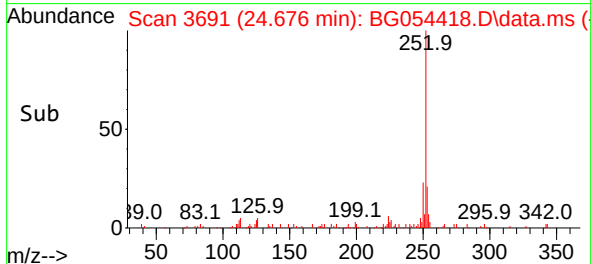
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 32010
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 5.7 4.3 6.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#92
Benzo(g,h,i)perylene
Concen: 2.484 ng m
RT: 29.653 min Scan# 4538
Delta R.T. -0.010 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Tgt Ion:276 Resp: 23757
Ion Ratio Lower Upper
276 100
277 23.3 17.3 25.9
138 8.2 9.6 14.4#

