

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054420.D
 Acq On : 27 Jul 2022 17:46
 Operator : CG/JU
 Sample : N3912-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 6601-S

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 04:34:17 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	7.989	152	17714	20.000	ng	0.00
21) Naphthalene-d8	10.797	136	69609	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	54114	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	131394	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	147052	20.000	ng	# 0.00
86) Perylene-d12	24.834	264	161846	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	96337	113.549	ng	0.00
7) Phenol-d6	7.172	99	132112	113.640	ng	0.00
23) Nitrobenzene-d5	9.152	82	89343	69.895	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	118859	104.612	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	242384	63.187	ng	0.00
79) Terphenyl-d14	19.974	244	465325	62.775	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.687	154	8813	3.161	ng	94
58) Fluorene	15.668	166	14055	3.446	ng	92
71) Phenanthrene	17.407	178	81812	12.503	ng	98
72) Anthracene	17.501	178	102934	16.031	ng	97
75) Fluoranthene	19.422	202	123052	13.796	ng	97
78) Pyrene	19.781	202	112322	13.312	ng	96
81) Benzo(a)anthracene	21.614	228	47595	5.099	ng	95
83) Chrysene	21.678	228	48598	5.510	ng	94
87) Indeno(1,2,3-cd)pyrene	28.500	276	31499	2.558	ng	# 72
88) Benzo(b)fluoranthene	23.823	252	63791	6.665	ng	96
89) Benzo(k)fluoranthene	23.876	252	19182m	2.014	ng	
90) Benzo(a)pyrene	24.681	252	44280	5.417	ng	95
92) Benzo(g,h,i)perylene	29.645	276	32601	3.263	ng	# 89

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

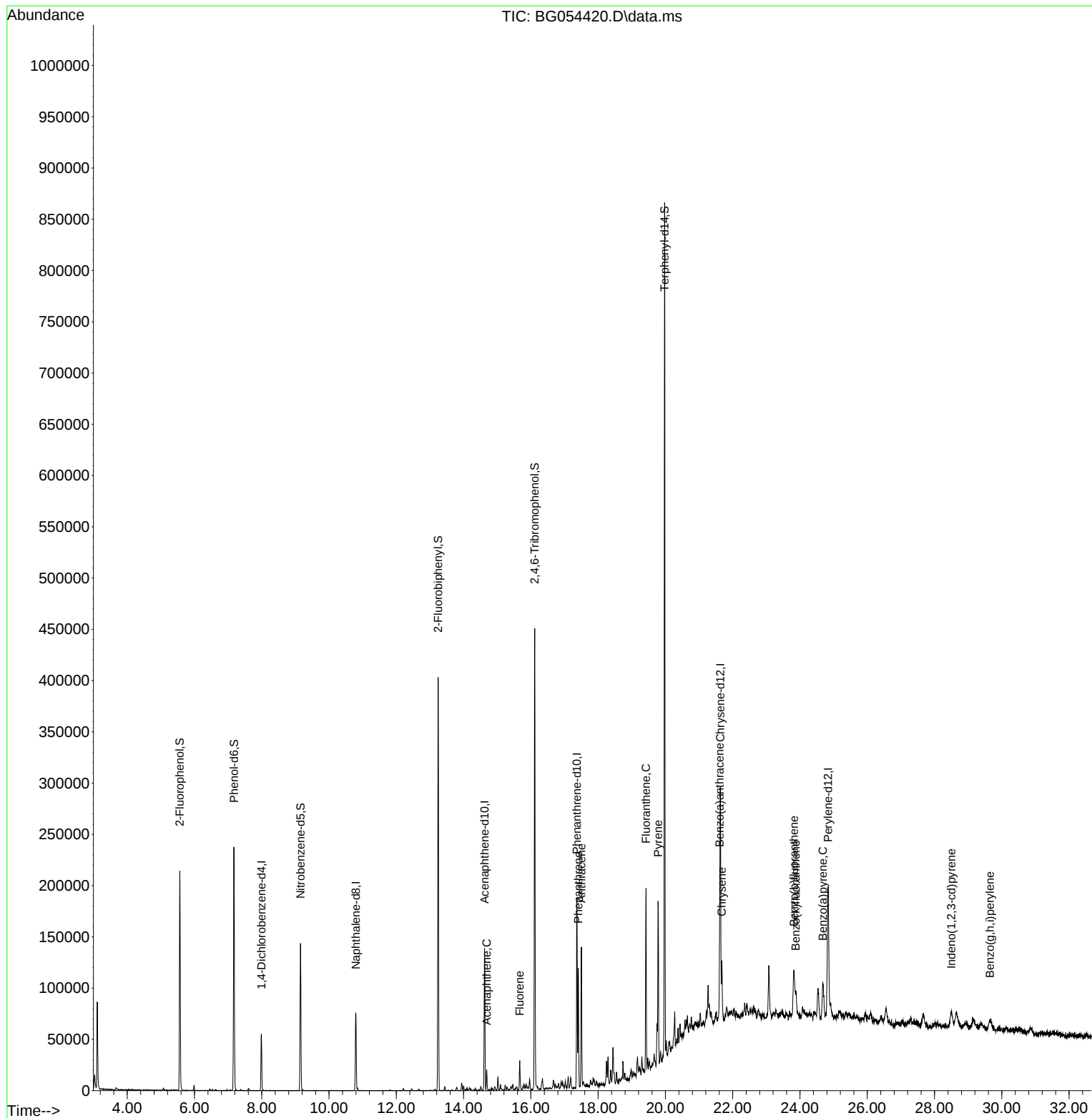
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
Data File : BG054420.D
Acq On : 27 Jul 2022 17:46
Operator : CG/JU
Sample : N3912-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

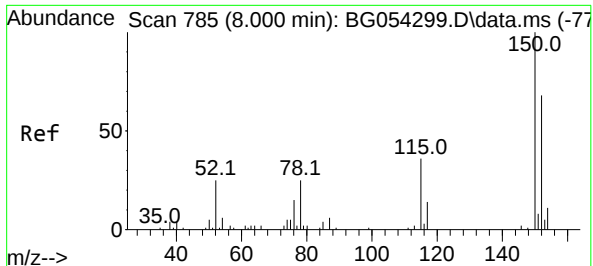
Instrument :
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Quant Time: Jul 28 04:34:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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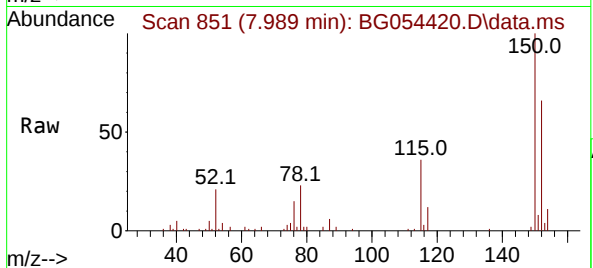
Reviewed By : Christian Giraldo 07/28/2022
Supervised By : Jagrut Upadhyay 07/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

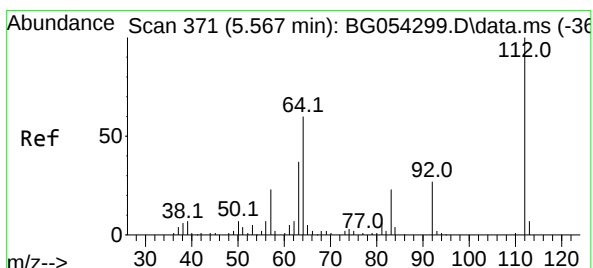
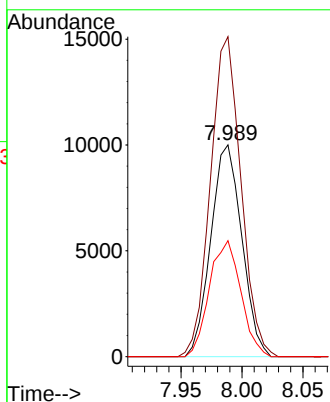
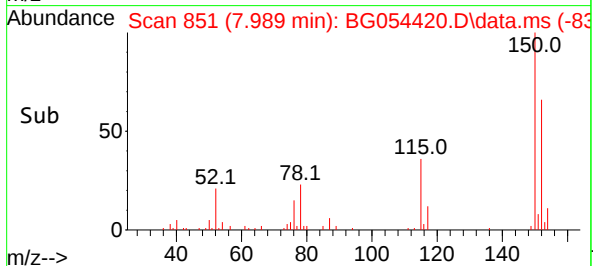
Instrument :
BNA_G
ClientSampleId :
6601-S



Tgt Ion:152 Resp: 17714
Ion Ratio Lower Upper
152 100
150 151.1 131.6 197.4
115 54.8 50.9 76.3

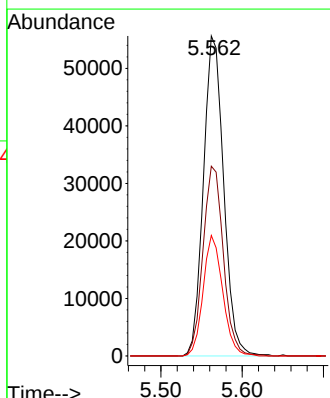
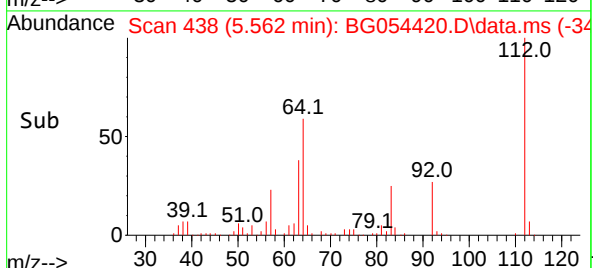
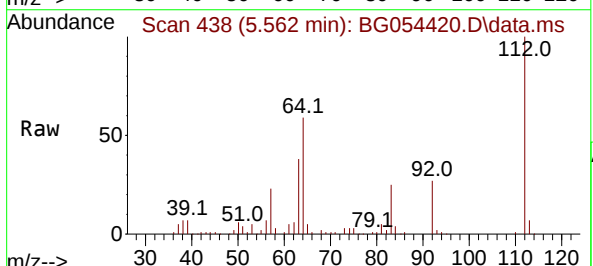
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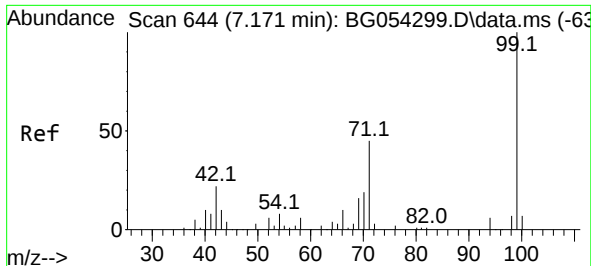
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#5
2-Fluorophenol
Concen: 113.549 ng
RT: 5.562 min Scan# 438
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

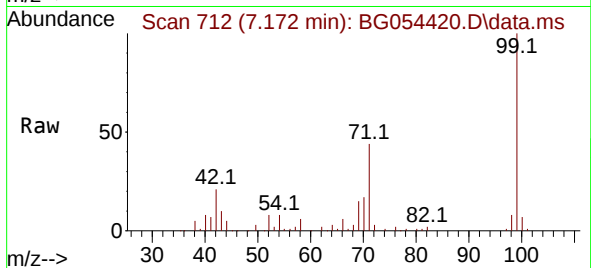
Tgt Ion:112 Resp: 96337
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 37.7 30.4 45.6





#7
Phenol-d6
Concen: 113.640 ng
RT: 7.172 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

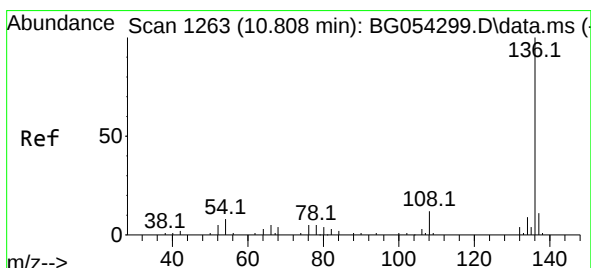
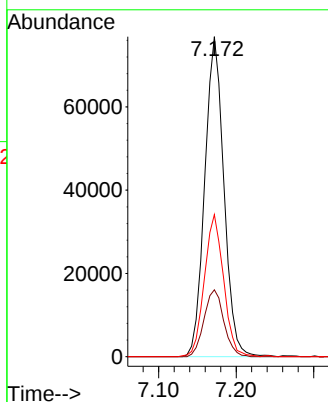
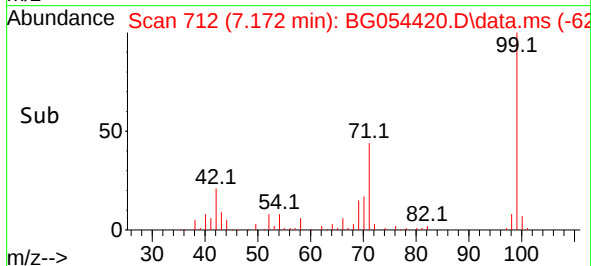
Instrument :
BNA_G
ClientSampleId :
6601-S



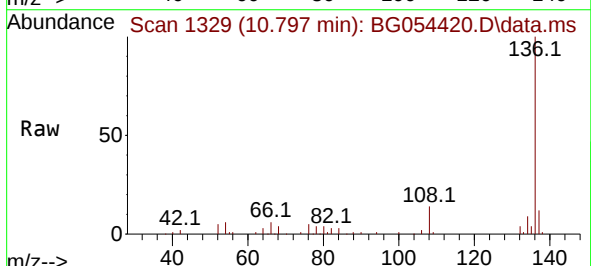
Tgt Ion: 99 Resp: 13211
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 44.4 33.8 50.8

Manual Integrations
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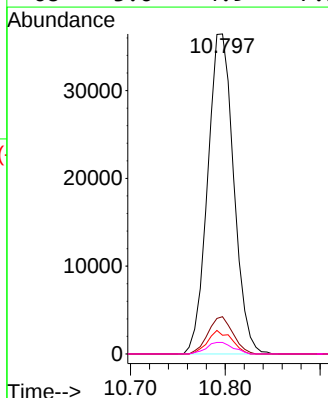
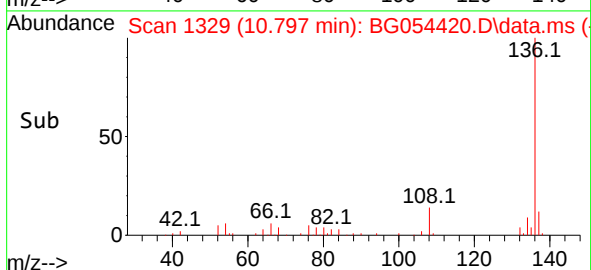
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46



Tgt Ion:136 Resp: 69609
Ion Ratio Lower Upper
136 100
137 11.6 8.5 12.7
54 5.9 7.4 11.2#
68 3.6 4.9 7.3#





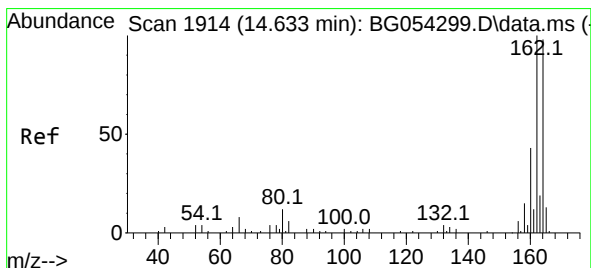
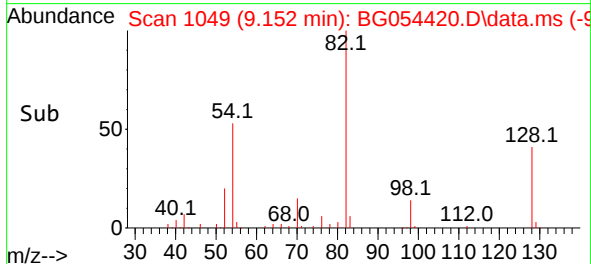
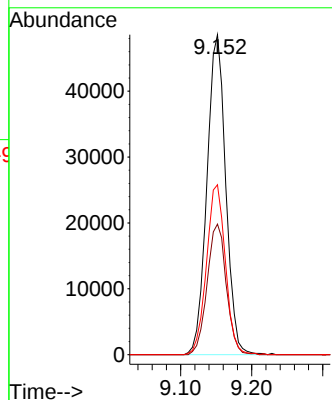
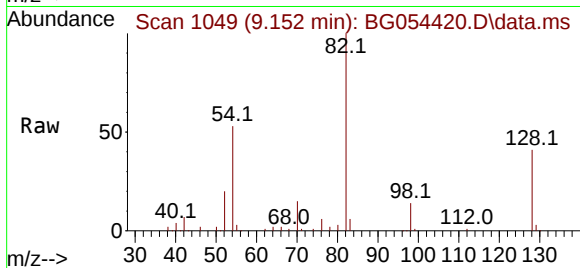
#23
Nitrobenzene-d5
Concen: 69.895 ng
RT: 9.152 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Instrument :
BNA_G
ClientSampleId :
6601-S

Tgt Ion: 82 Resp: 8934
Ion Ratio Lower Upper
82 100
128 40.8 27.9 41.9
54 53.1 41.2 61.8

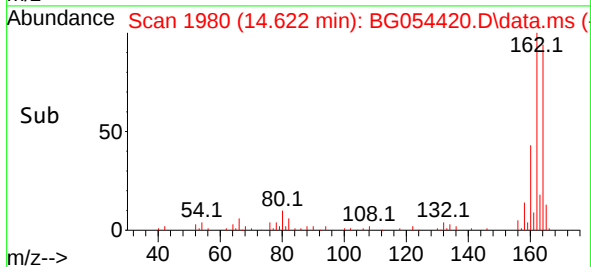
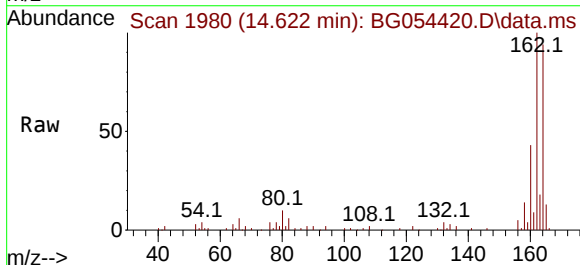
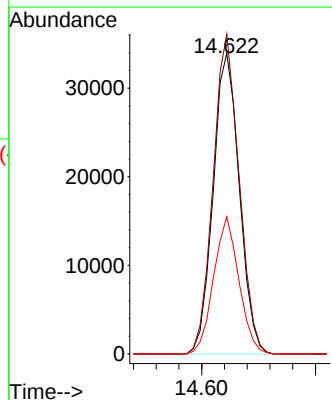
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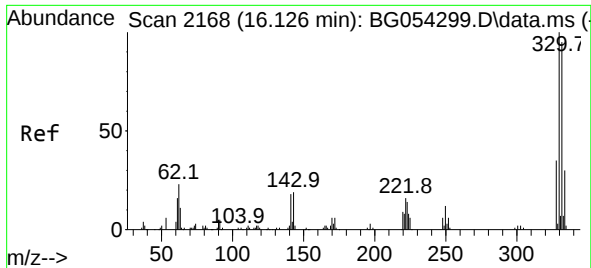
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

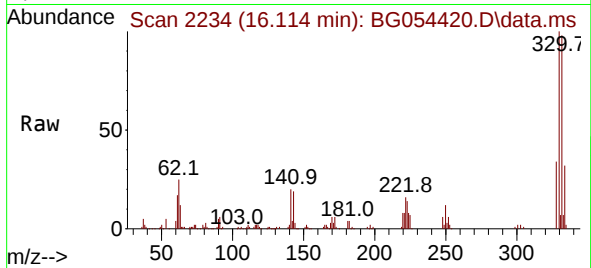
Tgt Ion:164 Resp: 54114
Ion Ratio Lower Upper
164 100
162 106.4 82.3 123.5
160 45.6 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 104.612 ng
RT: 16.114 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

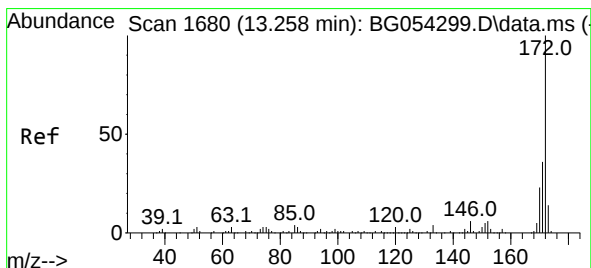
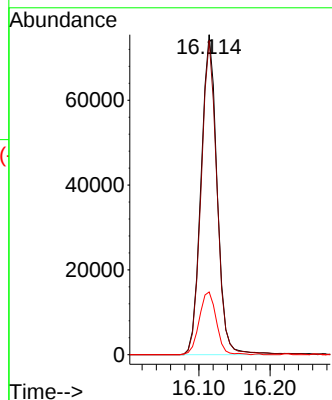
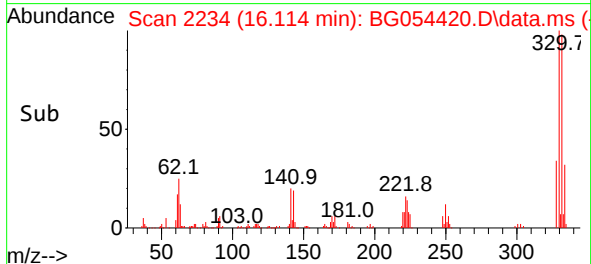
Instrument :
BNA_G
ClientSampleId :
6601-S



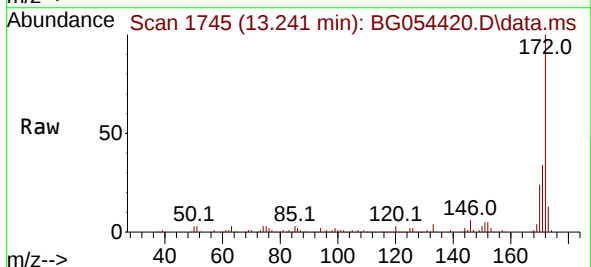
Tgt Ion:330 Resp: 11885
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 20.8 27.1 40.7

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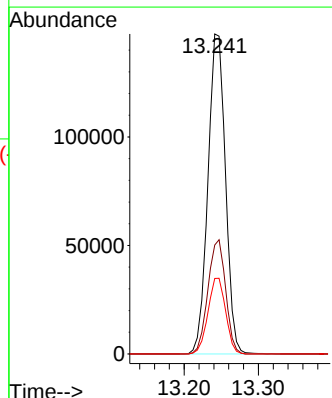
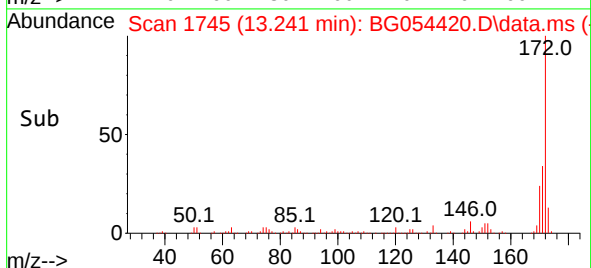
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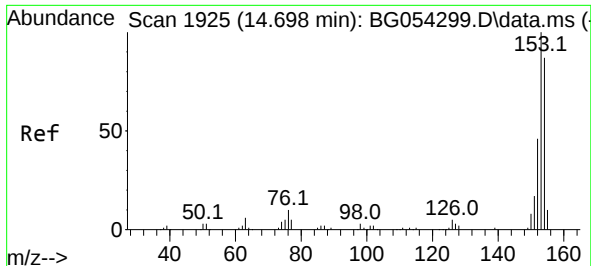


#45
2-Fluorobiphenyl
Concen: 63.187 ng
RT: 13.241 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46



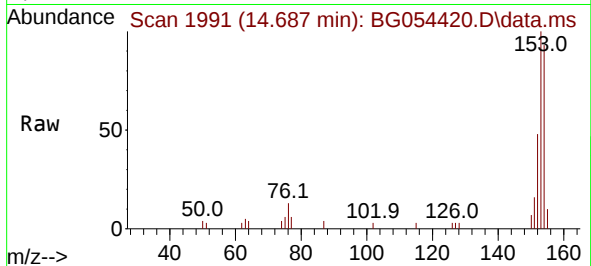
Tgt Ion:172 Resp: 242384
Ion Ratio Lower Upper
172 100
171 34.0 28.5 42.7
170 23.6 18.9 28.3





#52
Acenaphthene
Concen: 3.161 ng
RT: 14.687 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

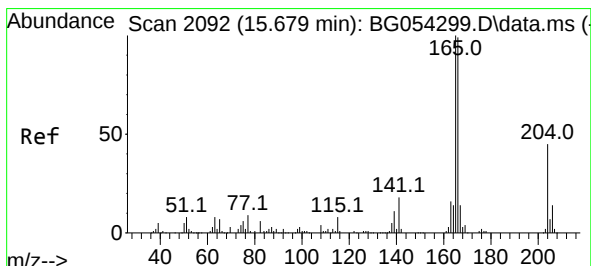
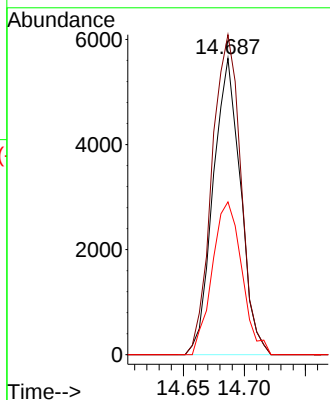
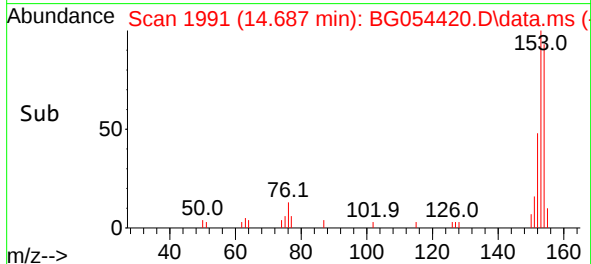
Instrument :
BNA_G
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6601-S



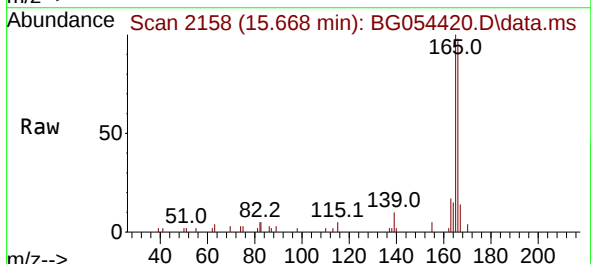
Tgt Ion:154 Resp: 881
Ion Ratio Lower Upper
154 100
153 108.0 92.7 139.1
152 51.5 42.6 64.0

Manual Integrations
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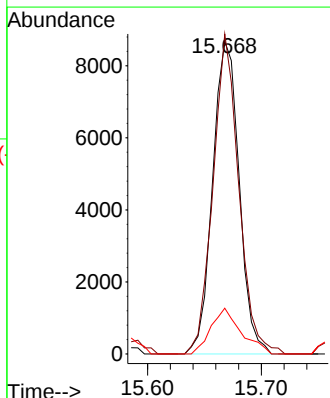
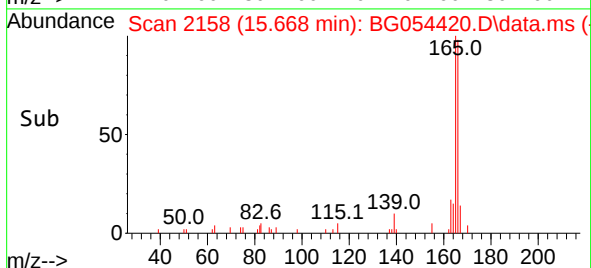
Reviewed By :Christian Giraldo 07/28/2022
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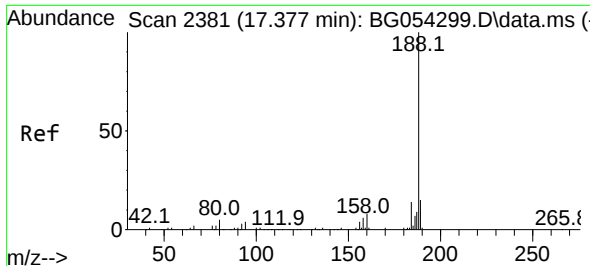


#58
Fluorene
Concen: 3.446 ng
RT: 15.668 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46



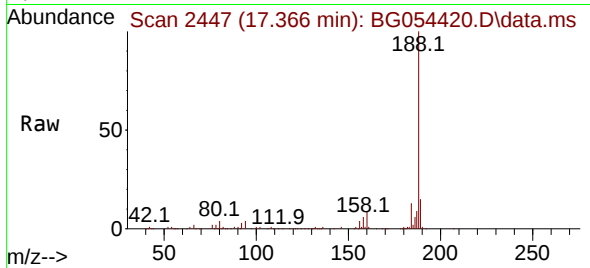
Tgt Ion:166 Resp: 14055
Ion Ratio Lower Upper
166 100
165 102.3 75.0 112.6
167 14.6 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

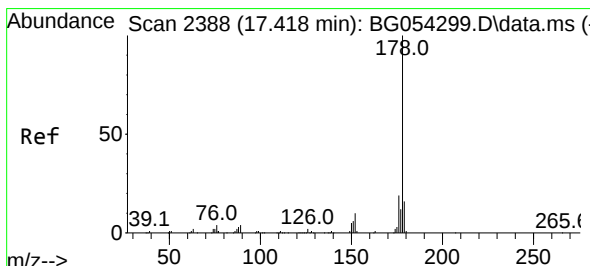
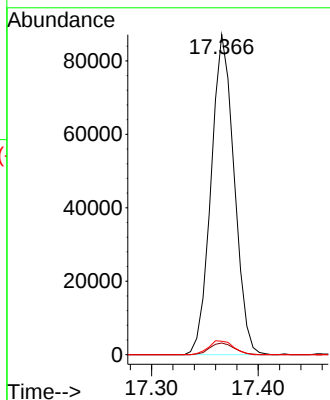
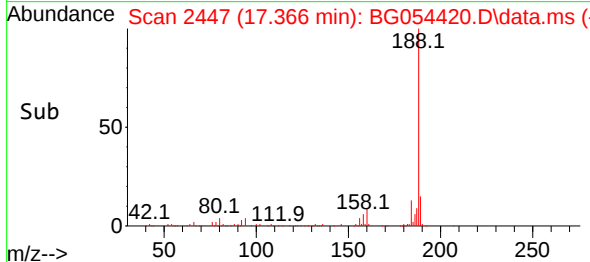
Instrument :
BNA_G
ClientSampleId :
6601-S



Tgt Ion:188 Resp: 131394
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0
80 4.2 6.8 10.2

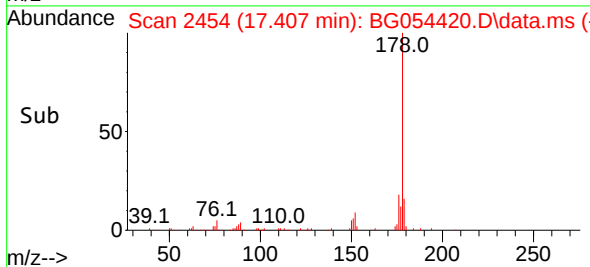
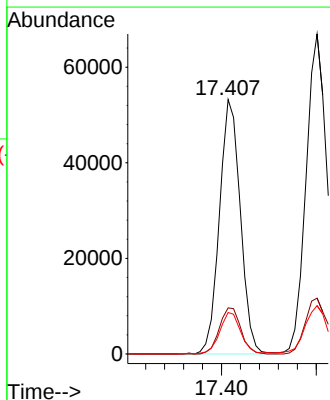
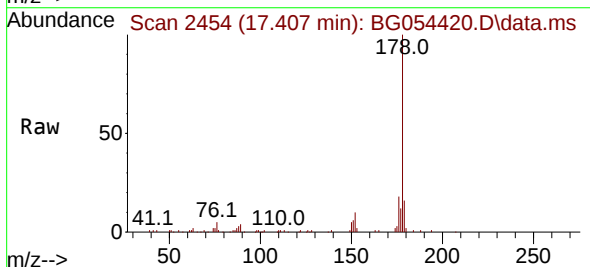
Manual Integrations
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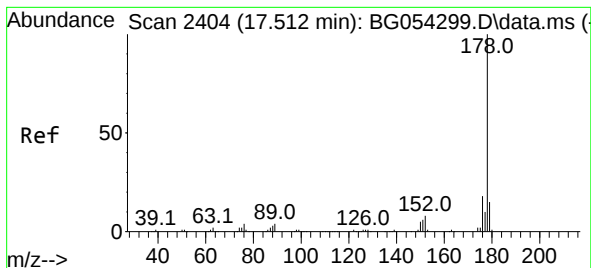
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#71
Phenanthrene
Concen: 12.503 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:178 Resp: 81812
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 16.3 12.1 18.1





#72

Anthracene

Concen: 16.031 ng

RT: 17.501 min Scan# 2404

Delta R.T. 0.000 min

Lab File: BG054420.D

Acq: 27 Jul 2022 17:46

Instrument :

BNA_G

ClientSampleId :

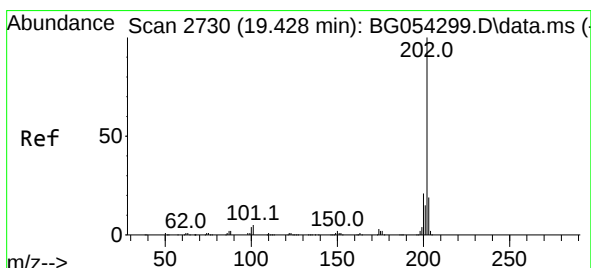
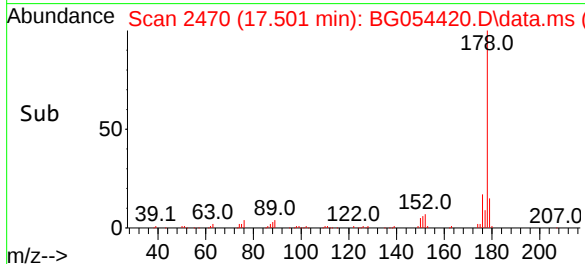
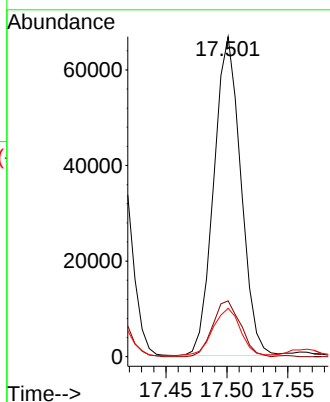
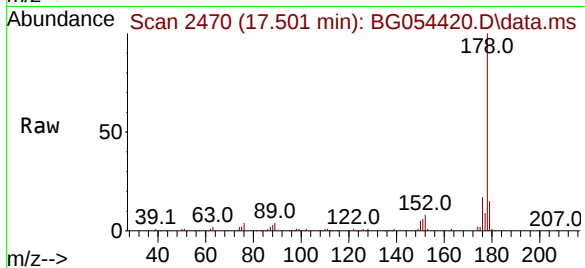
6601-S

Tgt Ion:178	Resp: 102934
Ion Ratio	Lower Upper
178	100
176	17.4 15.2 22.8
179	15.1 13.0 19.4

Manual Integrations

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#75

Fluoranthene

Concen: 13.796 ng

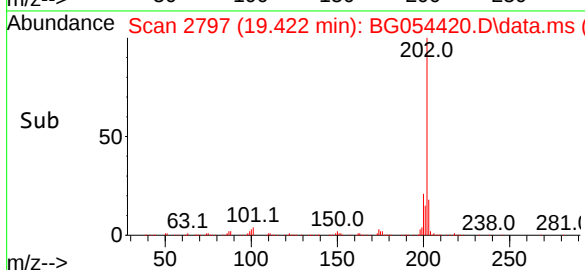
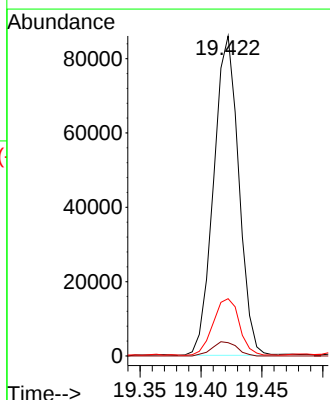
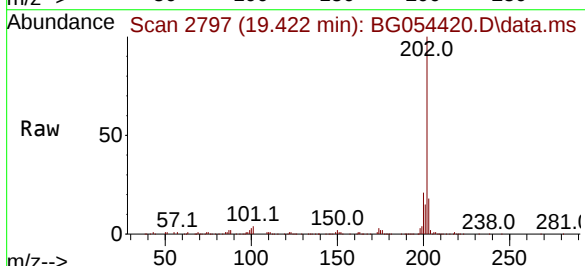
RT: 19.422 min Scan# 2797

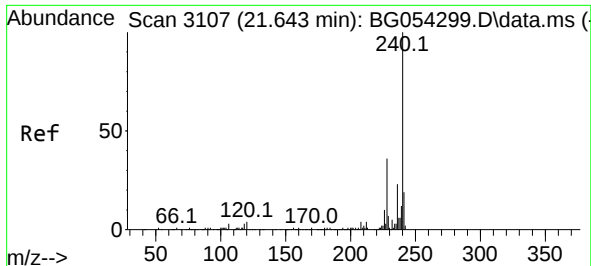
Delta R.T. 0.000 min

Lab File: BG054420.D

Acq: 27 Jul 2022 17:46

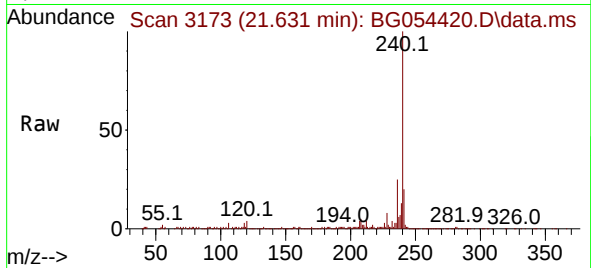
Tgt Ion:202	Resp: 123052
Ion Ratio	Lower Upper
202	100
101	4.2 0.0 26.9
203	17.9 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

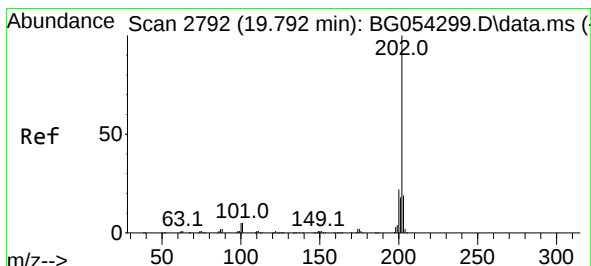
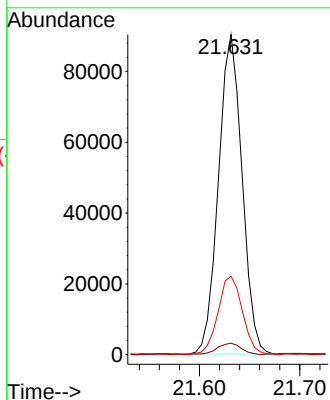
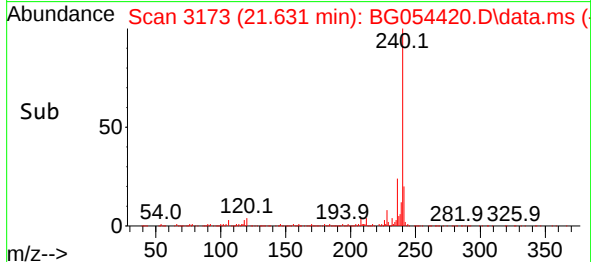
Instrument :
BNA_G
ClientSampleId :
6601-S



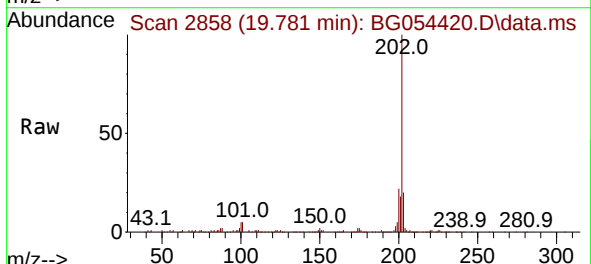
Tgt Ion:240 Resp: 147052
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0
236 24.5 20.2 30.4

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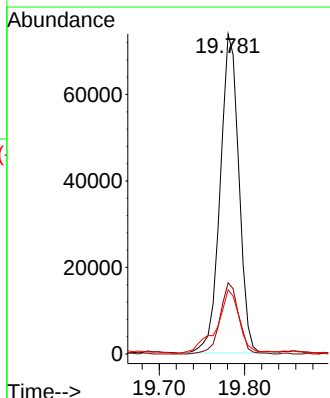
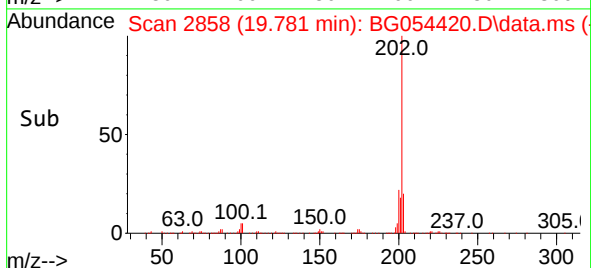
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022

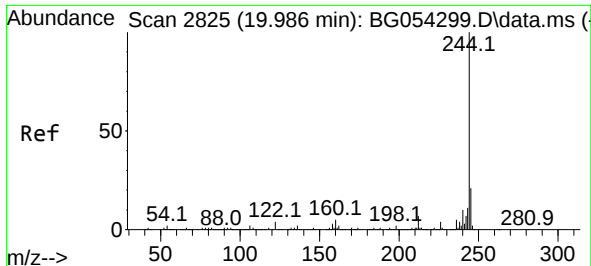


#78
Pyrene
Concen: 13.312 ng
RT: 19.781 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46



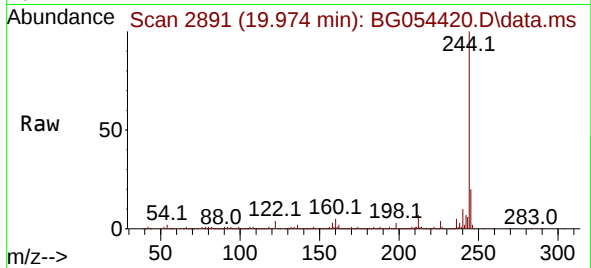
Tgt Ion:202 Resp: 112322
Ion Ratio Lower Upper
202 100
200 22.2 16.6 24.8
203 20.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 62.775 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054420.D
 Acq: 27 Jul 2022 17:46

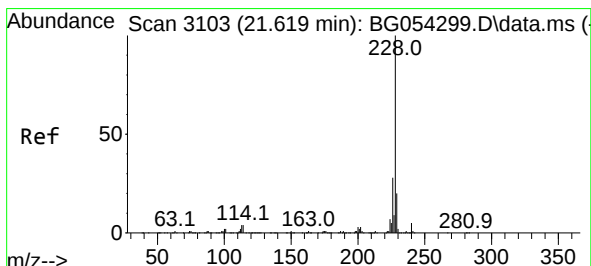
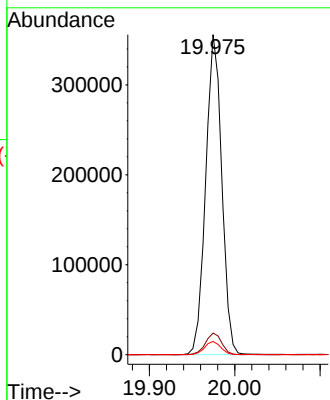
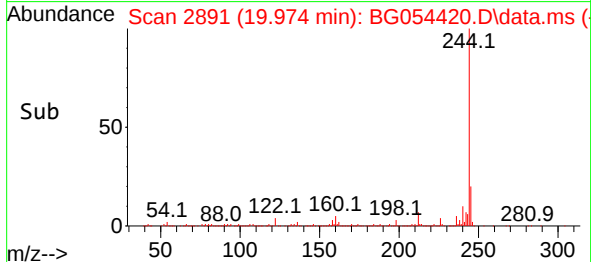
Instrument :
 BNA_G
 ClientSampleId :
 6601-S



Tgt Ion:244 Resp: 46532
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.2 5.0 7.4

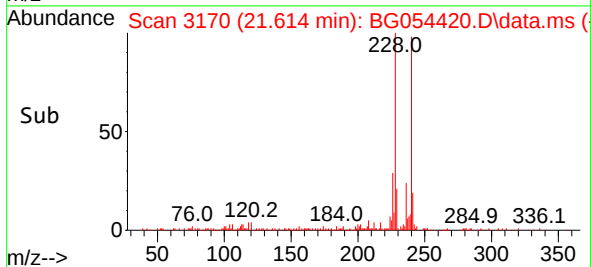
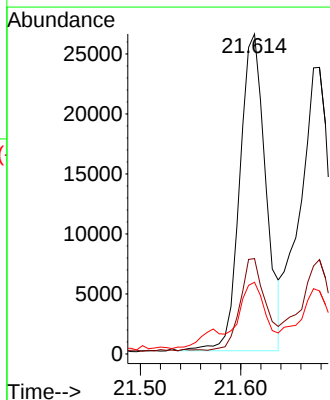
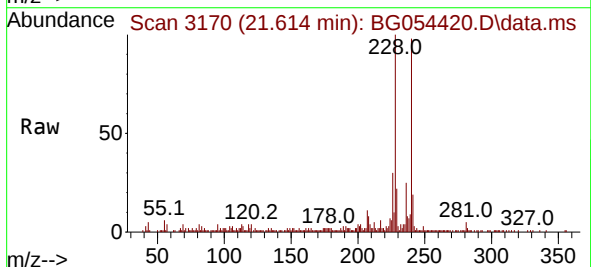
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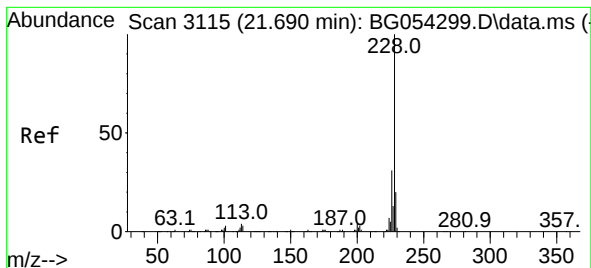
Reviewed By :Christian Giraldo 07/28/2022
 Supervised By :Jagrut Upadhyay 07/28/2022



#81
 Benzo(a)anthracene
 Concen: 5.099 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. 0.000 min
 Lab File: BG054420.D
 Acq: 27 Jul 2022 17:46

Tgt Ion:228 Resp: 47595
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.6 32.4
 229 22.4 16.2 24.2





#83

Chrysene

Concen: 5.510 ng

RT: 21.678 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054420.D

Acq: 27 Jul 2022 17:46

Instrument :

BNA_G

ClientSampleId :

6601-S

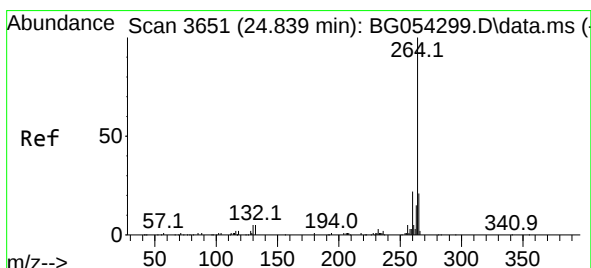
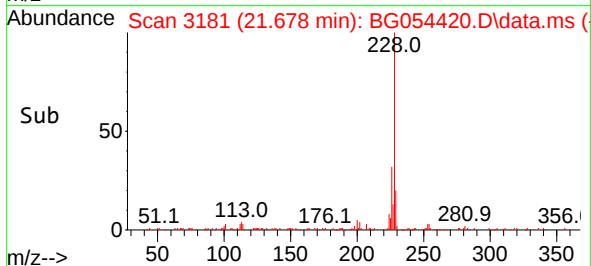
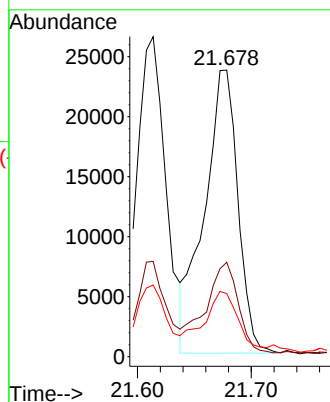
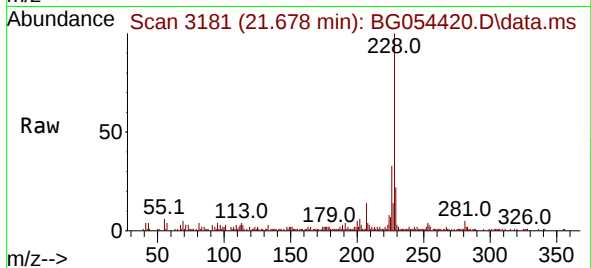
Tgt Ion:	228	Resp:	48598
Ion Ratio	Lower	Upper	
228	100		
226	32.9	23.4	35.2
229	22.0	15.5	23.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/28/2022

Supervised By :Jagrut Upadhyay 07/28/2022



#86

Perylene-d12

Concen: 20.000 ng

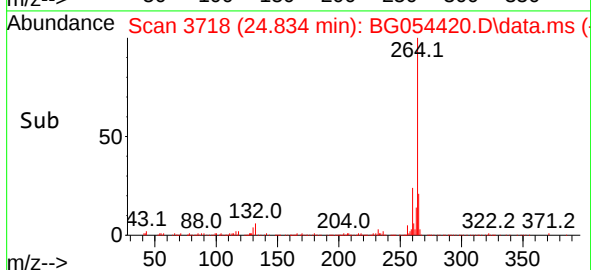
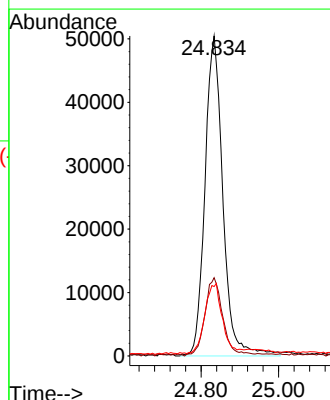
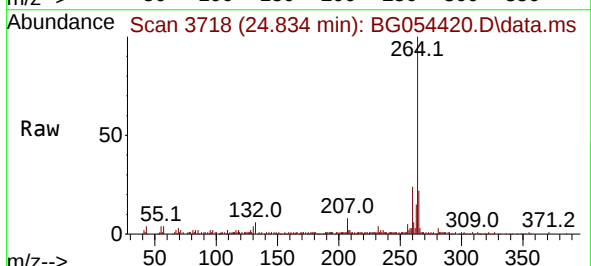
RT: 24.834 min Scan# 3718

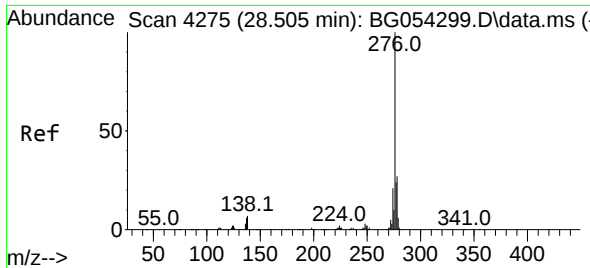
Delta R.T. 0.000 min

Lab File: BG054420.D

Acq: 27 Jul 2022 17:46

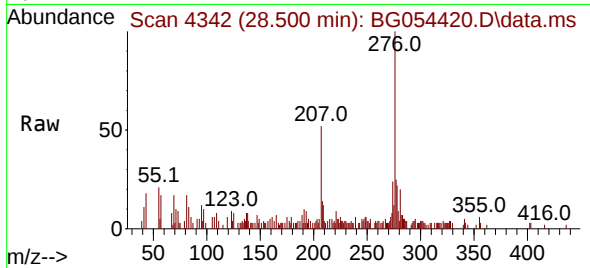
Tgt Ion:	264	Resp:	161846
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.0	28.6
265	21.7	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.558 ng
RT: 28.500 min Scan# 41
Delta R.T. -0.017 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

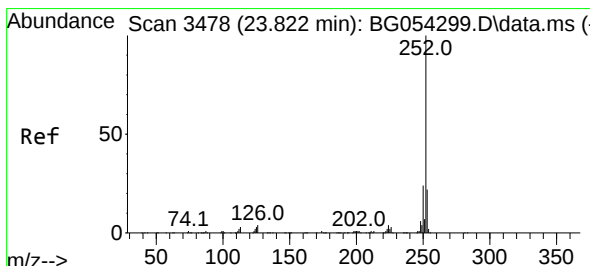
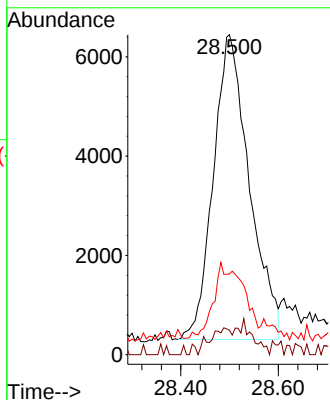
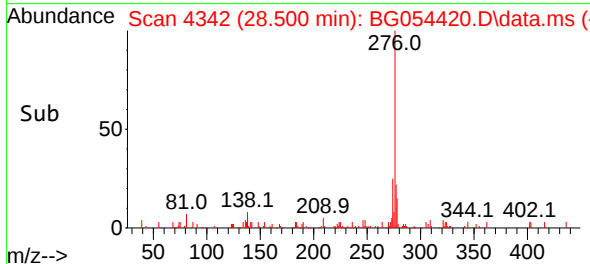
Instrument :
BNA_G
ClientSampleId :
6601-S



Tgt Ion:276 Resp: 31499
Ion Ratio Lower Upper
276 100
138 1.9 5.0 7.4
277 9.3 20.3 30.5

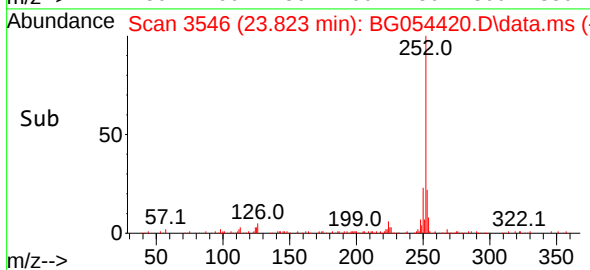
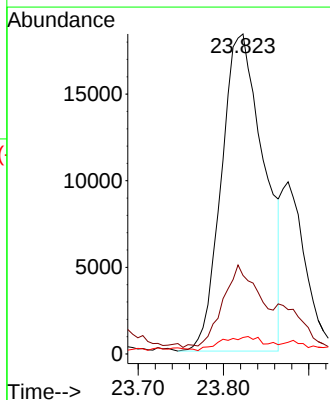
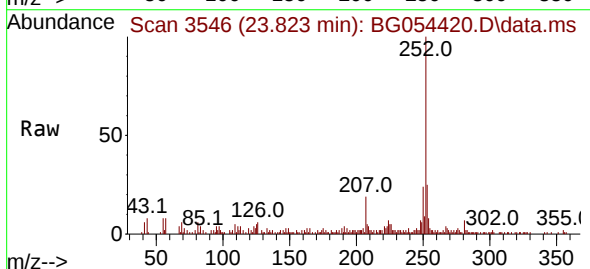
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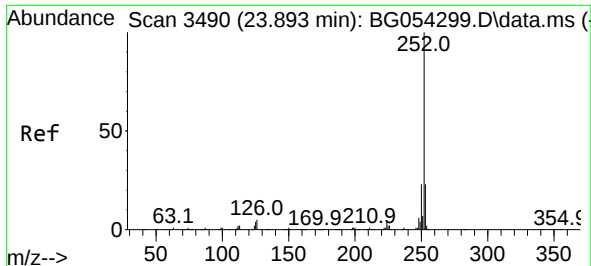
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#88
Benzo(b)fluoranthene
Concen: 6.665 ng
RT: 23.823 min Scan# 3546
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

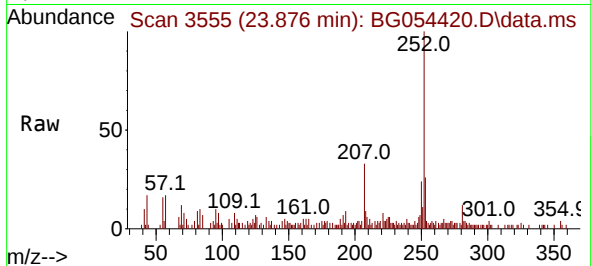
Tgt Ion:252 Resp: 63791
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 5.2 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 2.014 ng m
RT: 23.876 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

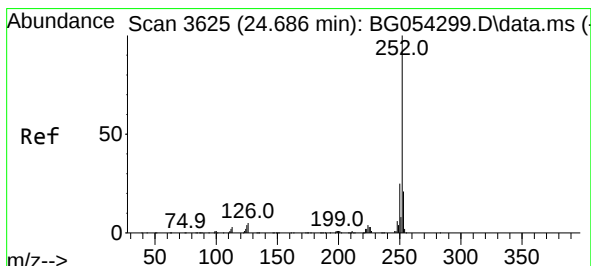
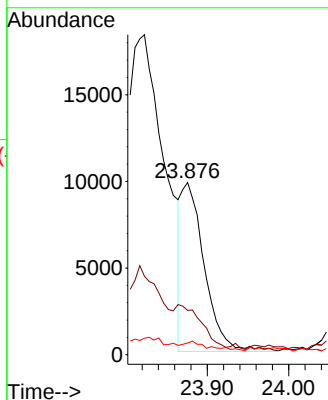
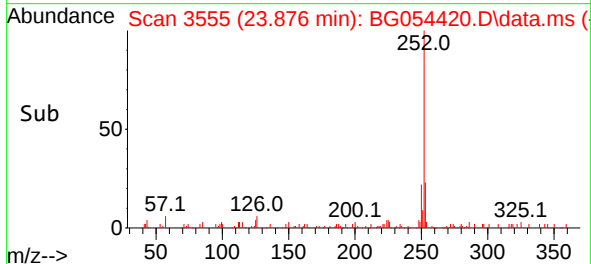
Instrument :
BNA_G
ClientSampleId :
6601-S



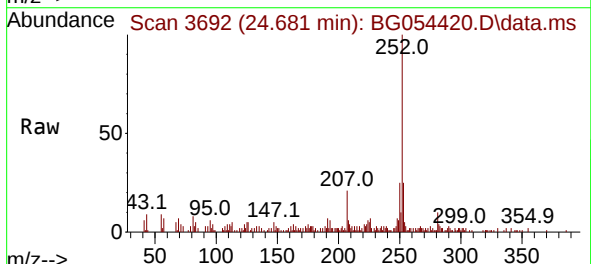
Tgt Ion:252 Resp: 1918
Ion Ratio Lower Upper
252 100
253 25.7 18.4 27.6
125 6.8 4.8 7.2

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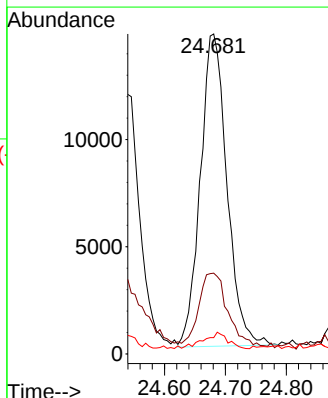
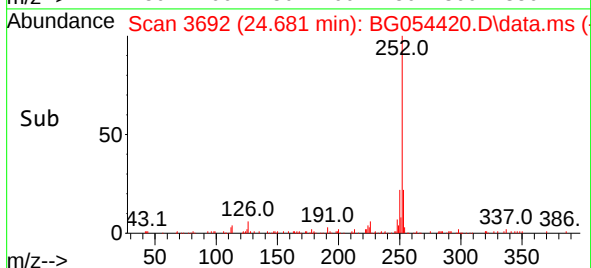
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022

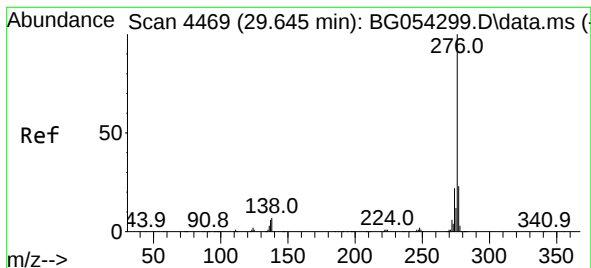


#90
Benzo(a)pyrene
Concen: 5.417 ng
RT: 24.681 min Scan# 3692
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46



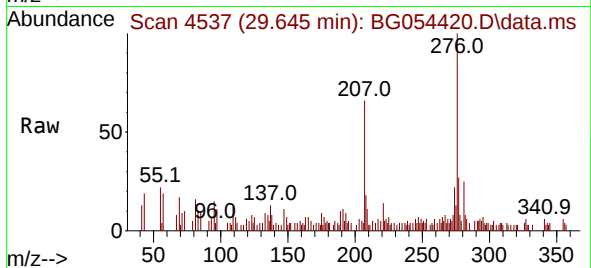
Tgt Ion:252 Resp: 44280
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.8
125 5.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.263 ng
 RT: 29.645 min Scan# 4
 Delta R.T. -0.017 min
 Lab File: BG054420.D
 Acq: 27 Jul 2022 17:46

Instrument :
 BNA_G
 ClientSampleId :
 6601-S



Tgt Ion:276 Resp: 3260
 Ion Ratio Lower Upper
 276 100
 277 26.7 17.3 25.9
 138 7.9 9.6 14.4

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

