

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054347.D
 Acq On : 21 Jul 2022 16:20
 Operator : CG/JU
 Sample : N3810-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/22/2022
 Supervised By : Jagrut Upadhyay 07/22/2022

Quant Time: Jul 22 02:37:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.997	152	18056	20.000	ng	0.00
21) Naphthalene-d8	10.805	136	68569	20.000	ng	# 0.00
39) Acenaphthene-d10	14.630	164	58023	20.000	ng	0.00
64) Phenanthrene-d10	17.380	188	150826	20.000	ng	# 0.00
76) Chrysene-d12	21.646	240	166428	20.000	ng	# 0.00
86) Perylene-d12	24.854	264	179919	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	58658	67.828	ng	0.00
7) Phenol-d6	7.174	99	84135	71.001	ng	0.00
23) Nitrobenzene-d5	9.160	82	52416	41.628	ng	0.00
42) 2,4,6-Tribromophenol	16.123	330	84859	69.655	ng	0.00
45) 2-Fluorobiphenyl	13.255	172	164595	40.017	ng	0.00
79) Terphenyl-d14	19.989	244	360791	43.006	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.415	178	73574	9.795	ng	98
72) Anthracene	17.509	178	20355	2.762	ng	98
75) Fluoranthene	19.431	202	301672	29.464	ng	95
78) Pyrene	19.795	202	287204	30.075	ng	97
81) Benzo(a)anthracene	21.628	228	264415	25.028	ng	97
83) Chrysene	21.693	228	215345	21.575	ng	96
87) Indeno(1,2,3-cd)pyrene	28.526	276	116638	8.522	ng	# 97
88) Benzo(b)fluoranthene	23.837	252	274334	25.783	ng	# 98
89) Benzo(k)fluoranthene	23.890	252	94802m	8.953	ng	
90) Benzo(a)pyrene	24.707	252	206684m	22.745	ng	
91) Dibenzo(a,h)anthracene	28.549	278	38870m	3.454	ng	
92) Benzo(g,h,i)perylene	29.666	276	100023	9.004	ng	# 92

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

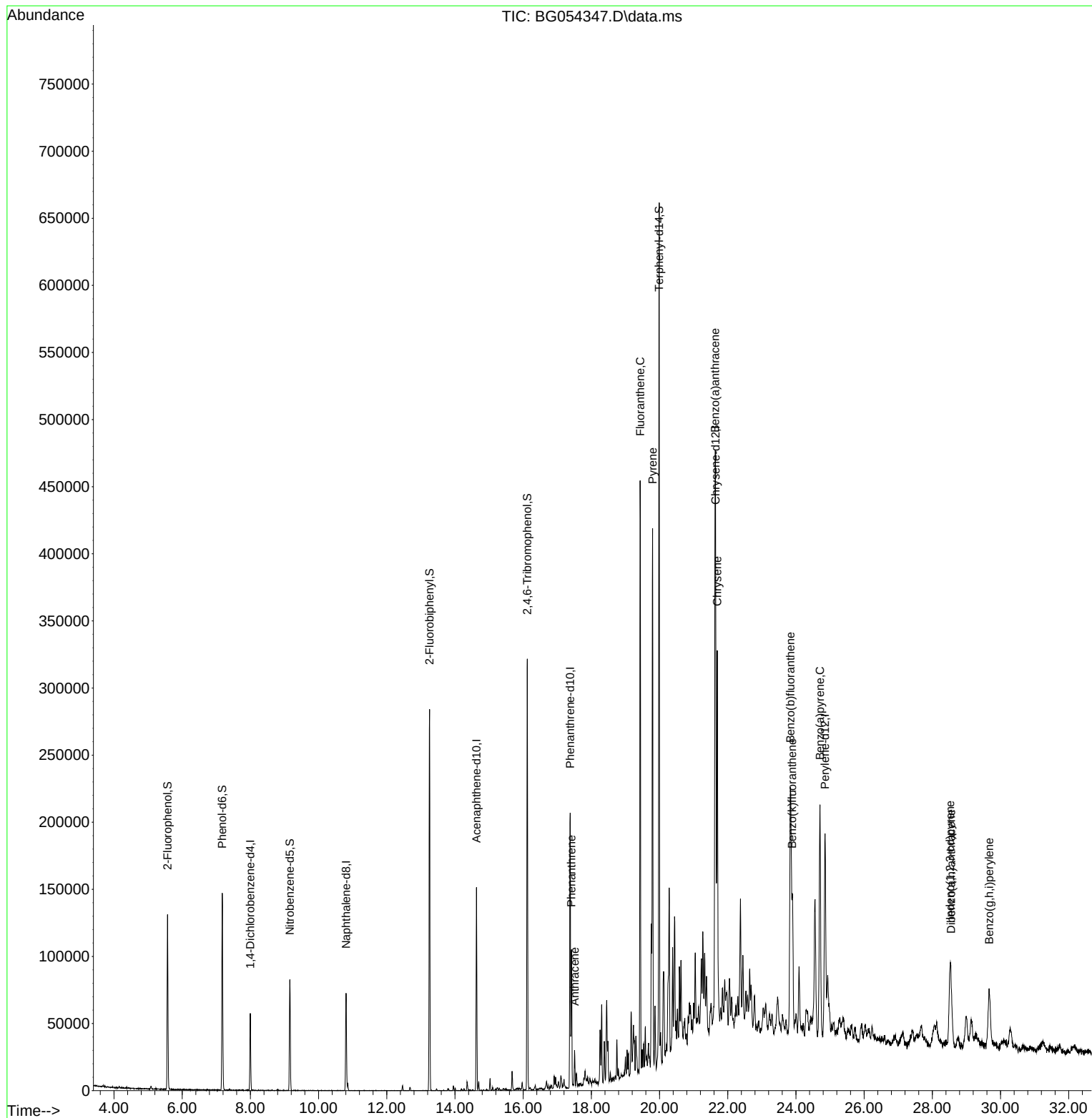
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
Data File : BG054347.D
Acq On : 21 Jul 2022 16:20
Operator : CG/JU
Sample : N3810-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

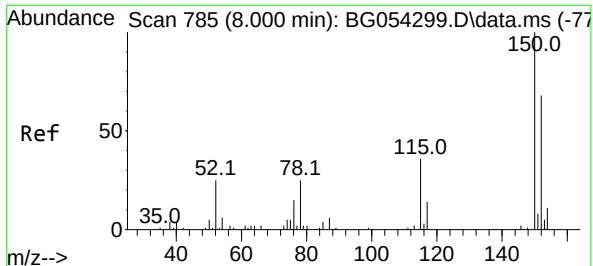
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Quant Time: Jul 22 02:37:04 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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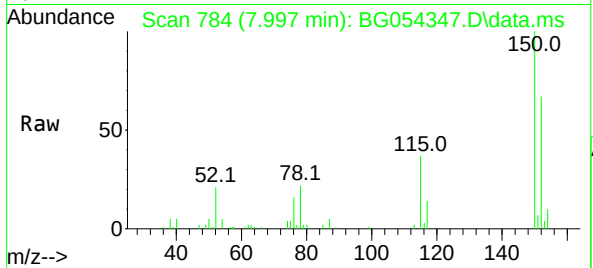
Reviewed By : Christian Giraldo 07/22/2022
Supervised By : Jagrut Upadhyay 07/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.997 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

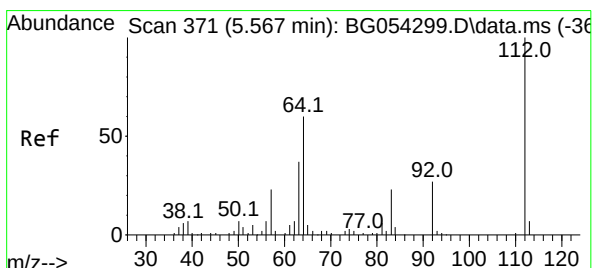
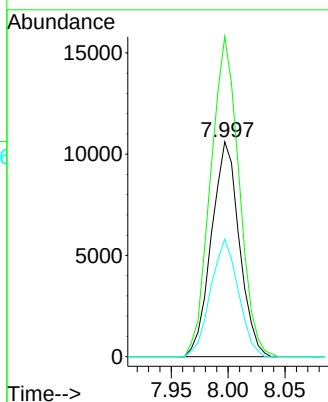
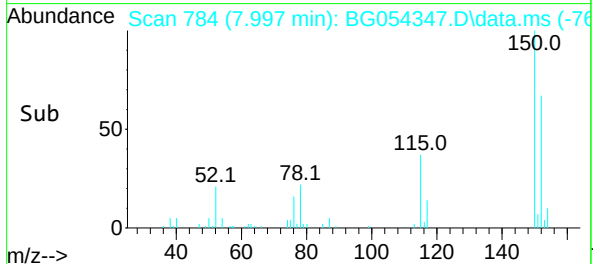
Instrument :
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ClientSampleId :
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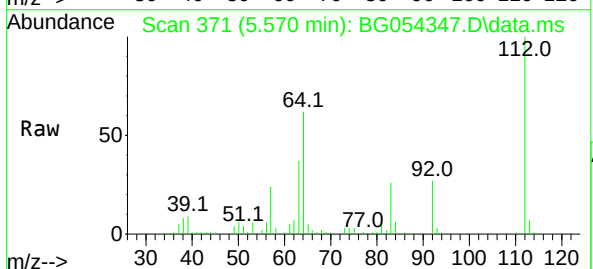
Tgt Ion:152 Resp: 18050
Ion Ratio Lower Upper
152 100
150 148.9 131.6 197.4
115 54.7 50.9 76.3

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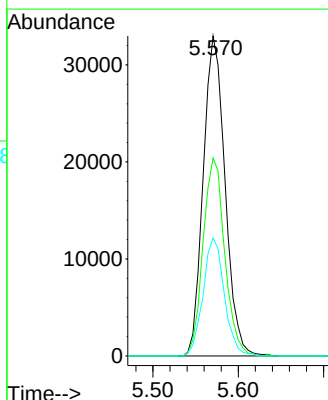
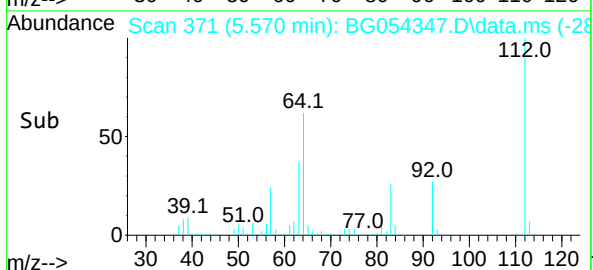
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

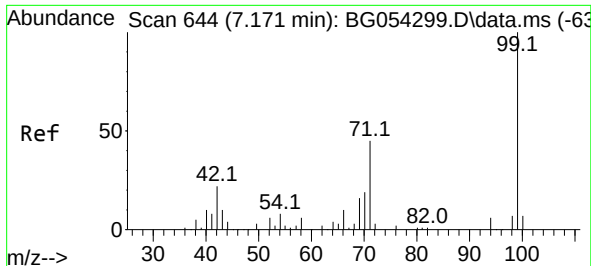


#5
2-Fluorophenol
Concen: 67.828 ng
RT: 5.570 min Scan# 371
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20



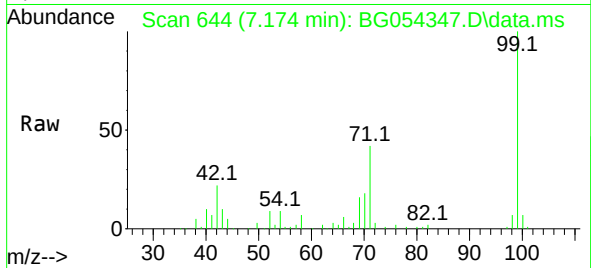
Tgt Ion:112 Resp: 58658
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 36.9 30.4 45.6





#7
Phenol-d6
Concen: 71.001 ng
RT: 7.174 min Scan# 644
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

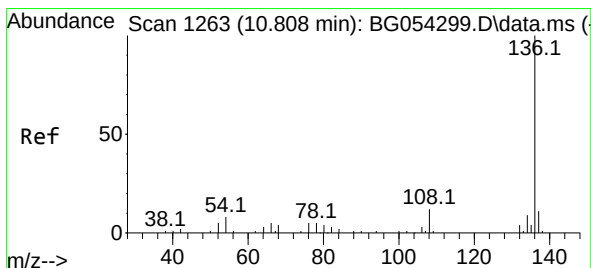
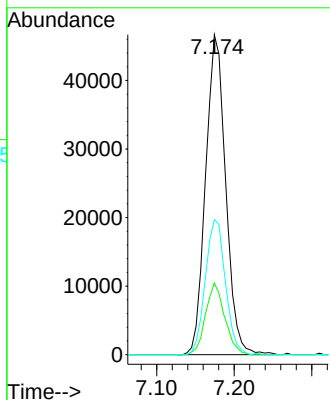
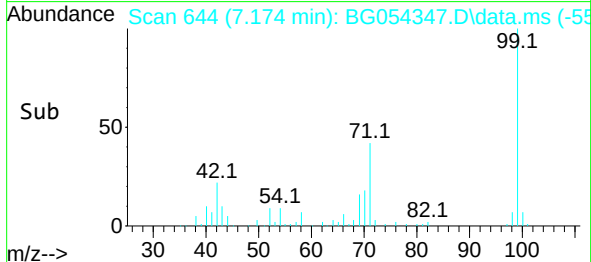
Instrument :
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ClientSampleId :
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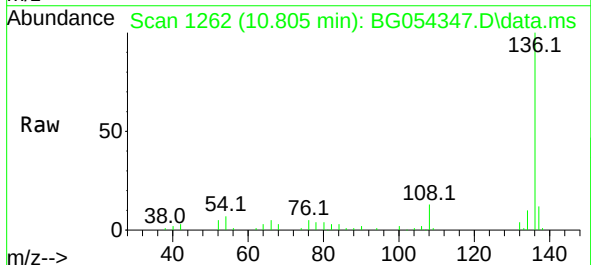
Tgt Ion: 99 Resp: 84135
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 42.2 33.8 50.8

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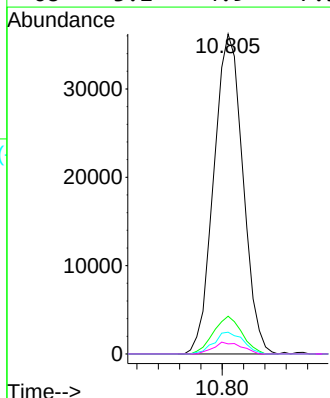
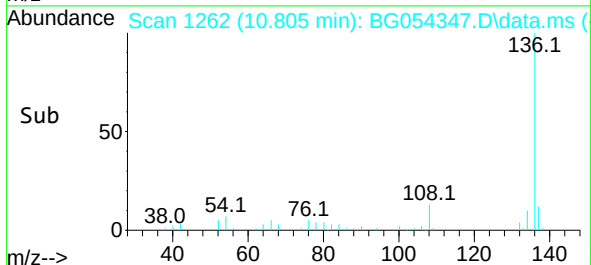
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

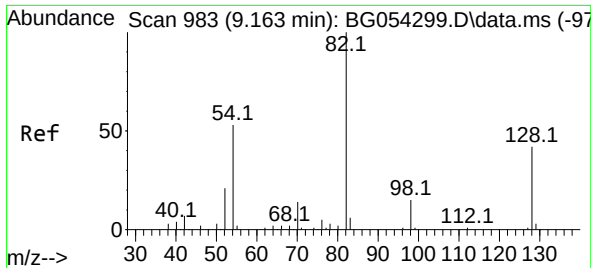


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.805 min Scan# 1262
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20



Tgt Ion:136 Resp: 68569
Ion Ratio Lower Upper
136 100
137 11.8 8.5 12.7
54 6.8 7.4 11.2#
68 3.2 4.9 7.3#





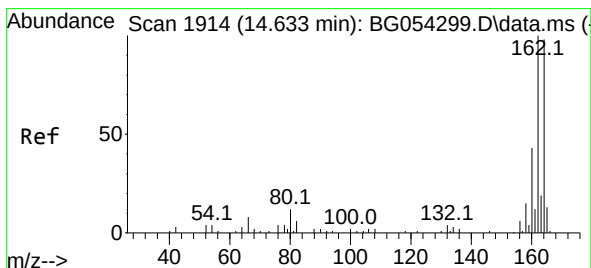
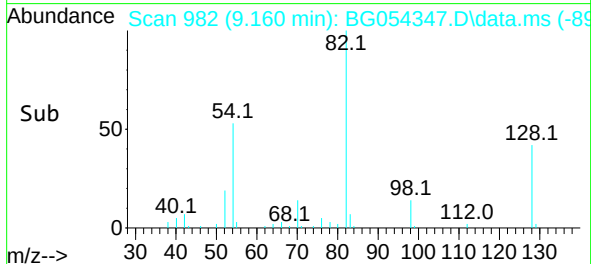
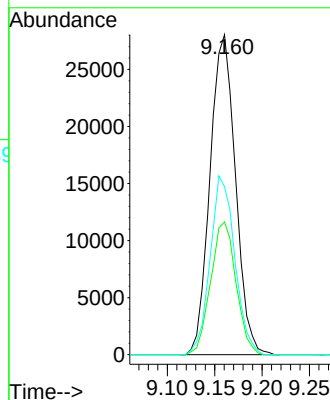
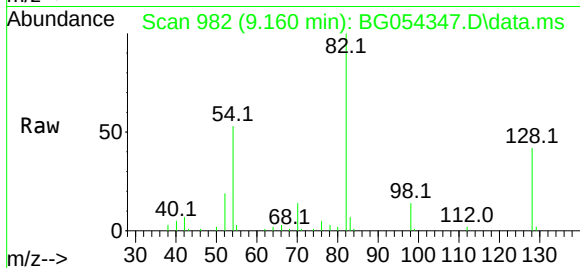
#23
Nitrobenzene-d5
Concen: 41.628 ng
RT: 9.160 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 52410
Ion Ratio Lower Upper
82 100
128 41.5 27.9 41.9
54 52.5 41.2 61.8

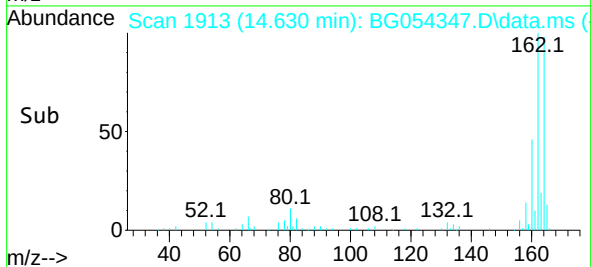
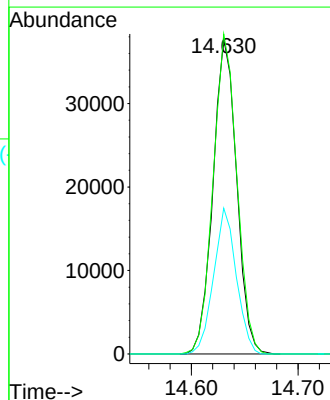
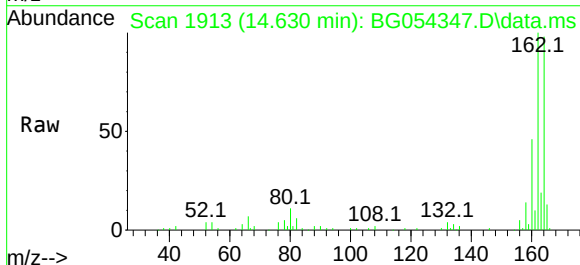
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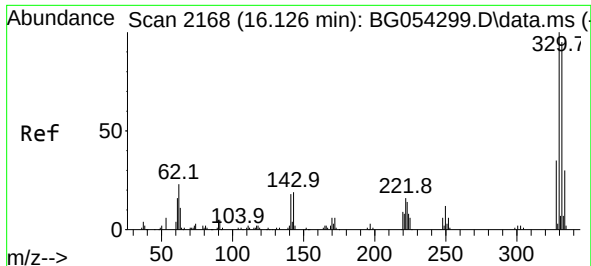
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.630 min Scan# 1913
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Tgt Ion:164 Resp: 58023
Ion Ratio Lower Upper
164 100
162 101.5 82.3 123.5
160 46.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 69.655 ng
RT: 16.123 min Scan# 2168
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Instrument :

BNA_G

ClientSampleId :

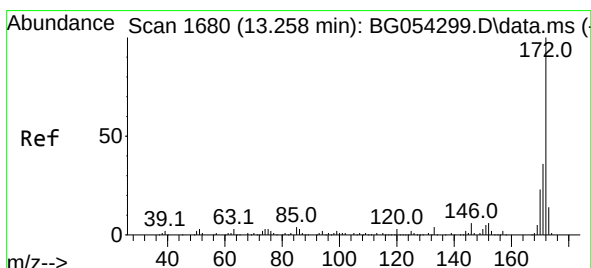
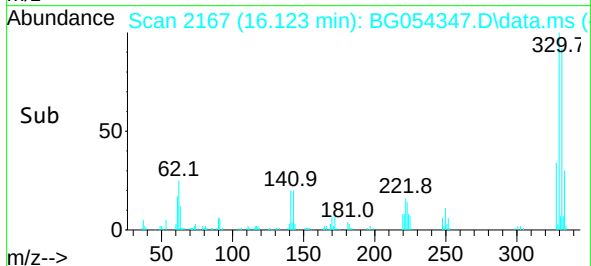
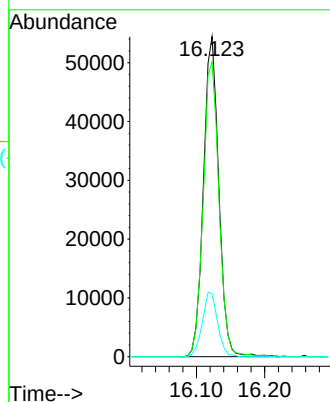
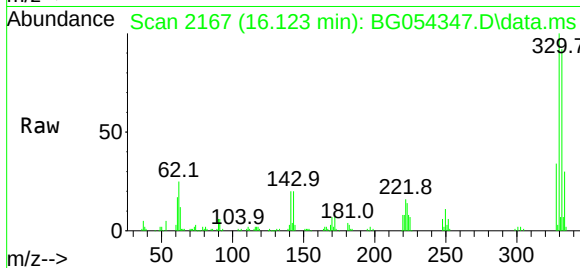
COMP-3

Tgt Ion:330 Resp: 84859
Ion Ratio Lower Upper
330 100
332 94.8 76.0 114.0
141 20.0 27.1 40.7

Manual Integrations

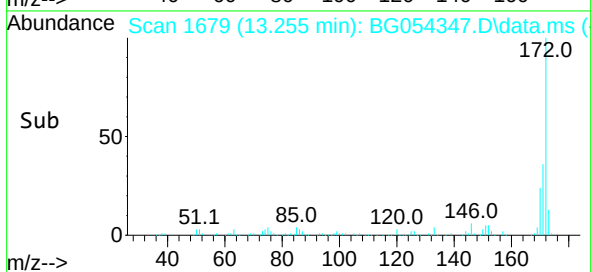
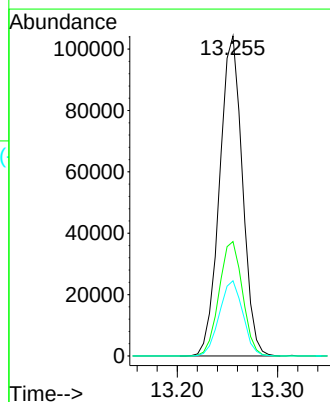
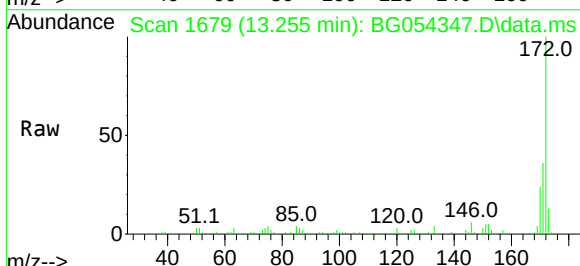
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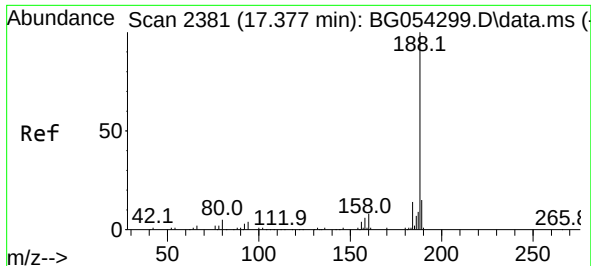
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Supervised By :Jagrut Upadhyay 07/22/2022



#45
2-Fluorobiphenyl
Concen: 40.017 ng
RT: 13.255 min Scan# 1679
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

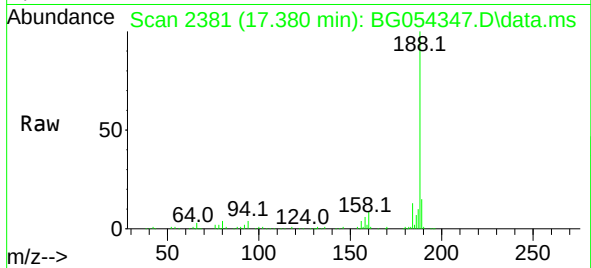
Tgt Ion:172 Resp: 164595
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.5 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

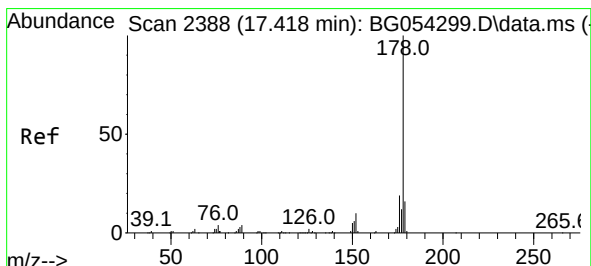
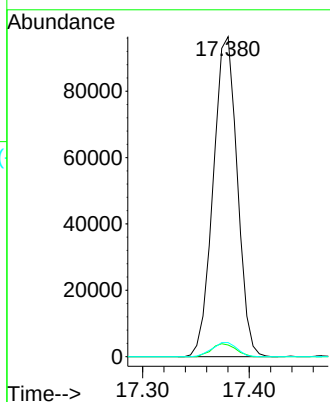
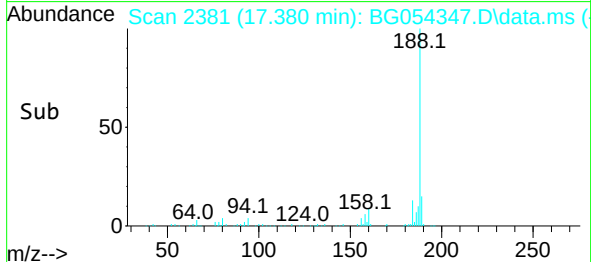
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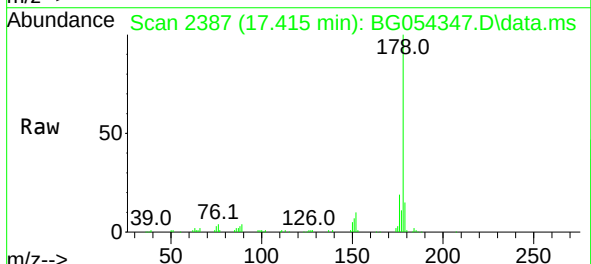
Tgt Ion:188 Resp: 150820
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0
80 4.4 6.8 10.2

Manual Integrations
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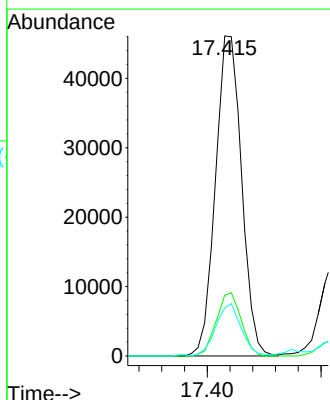
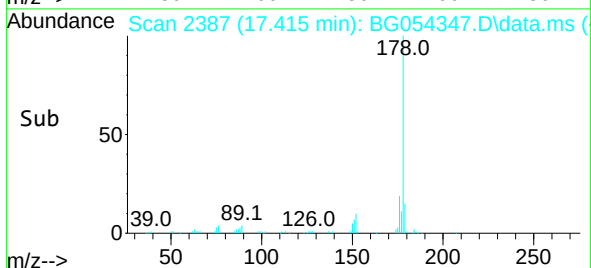
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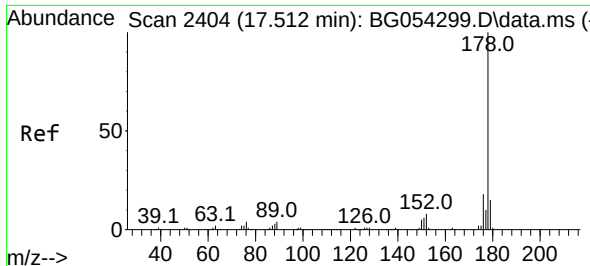


#71
Phenanthrene
Concen: 9.795 ng
RT: 17.415 min Scan# 2387
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20



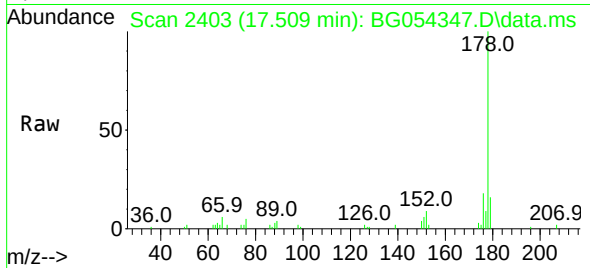
Tgt Ion:178 Resp: 73574
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 15.1 12.1 18.1





#72
 Anthracene
 Concen: 2.762 ng
 RT: 17.509 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

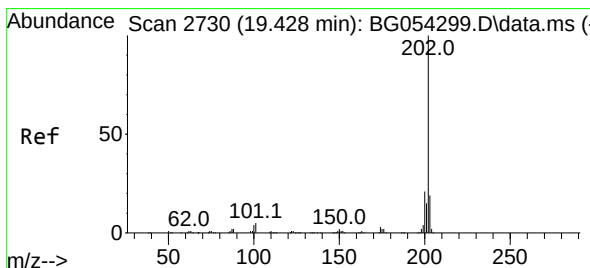
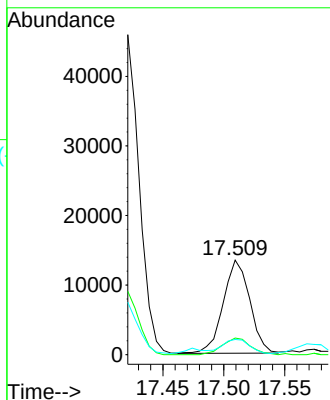
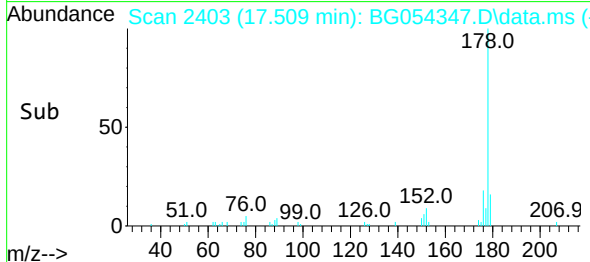
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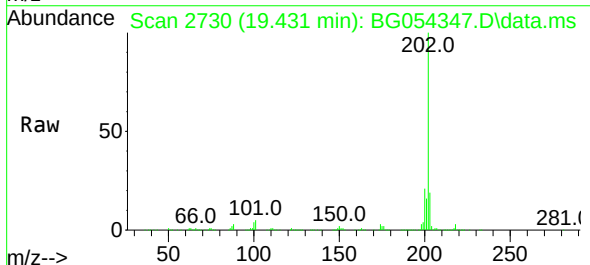
Tgt Ion:178 Resp: 2035
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.2 22.8
 179 16.1 13.0 19.4

Manual Integrations
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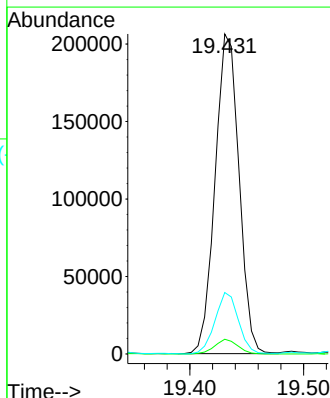
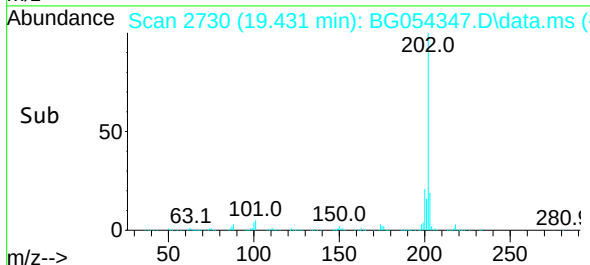
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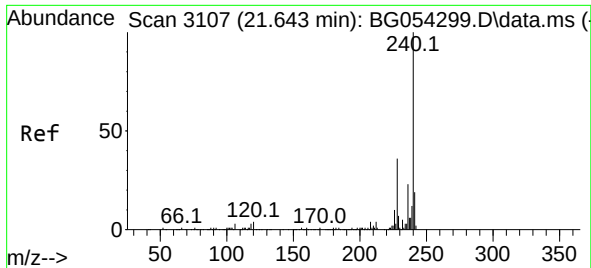


#75
 Fluoranthene
 Concen: 29.464 ng
 RT: 19.431 min Scan# 2730
 Delta R.T. 0.003 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20



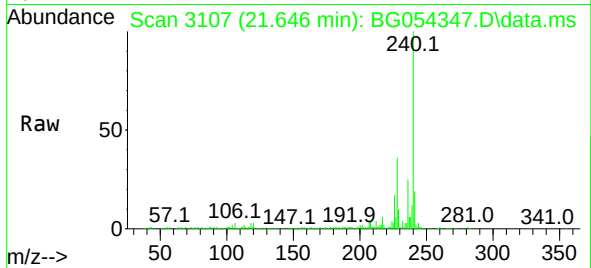
Tgt Ion:202 Resp: 301672
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 26.9
 203 19.2 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.646 min Scan# 3107
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

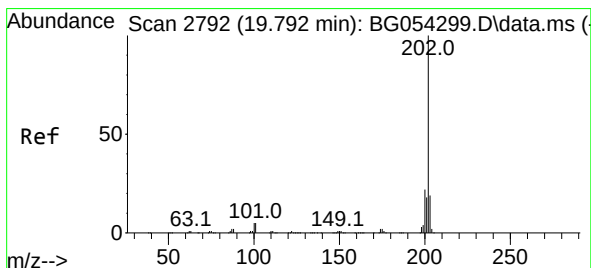
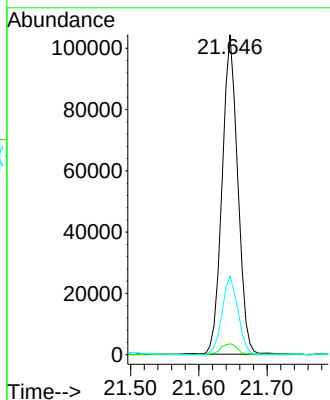
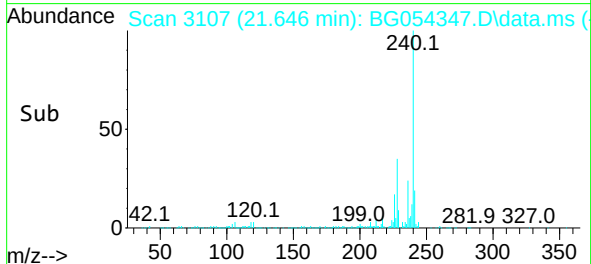
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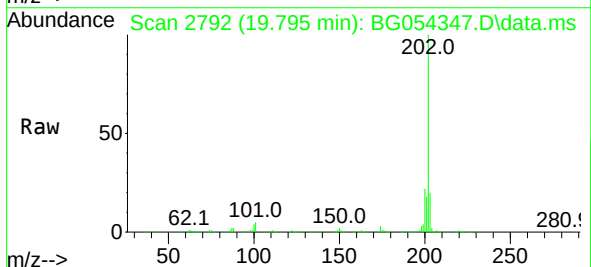
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Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0
236 24.5 20.2 30.4

Manual Integrations
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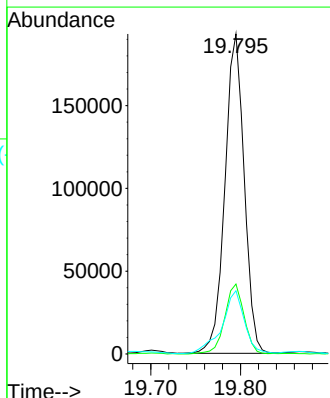
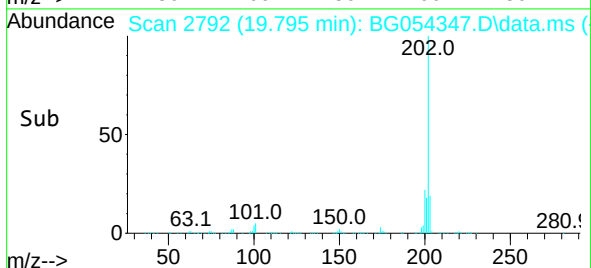
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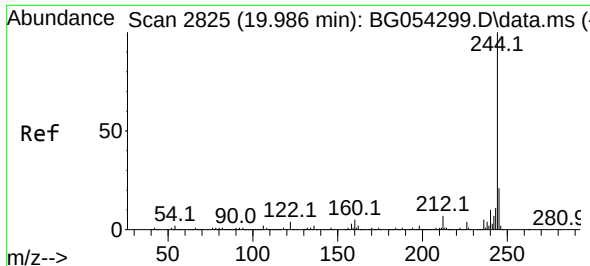


#78
Pyrene
Concen: 30.075 ng
RT: 19.795 min Scan# 2792
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20



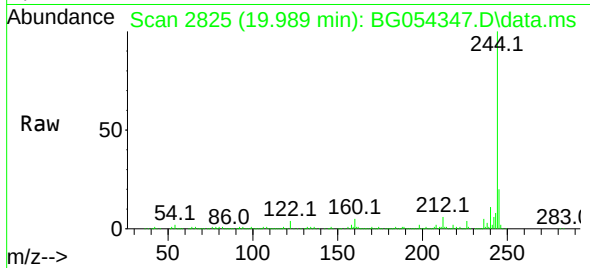
Tgt Ion:202 Resp: 287204
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 43.006 ng
 RT: 19.989 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

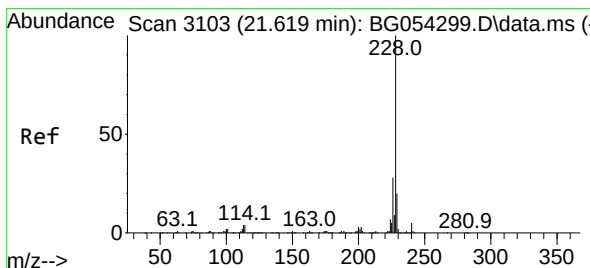
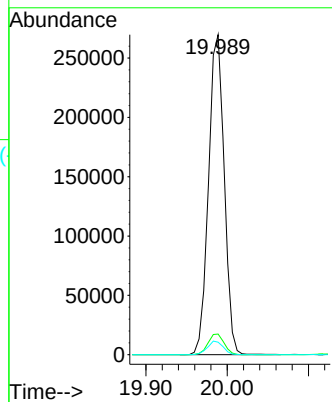
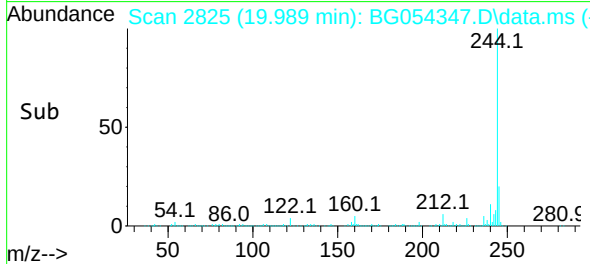
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3



Tgt Ion:244 Resp: 36079
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.5 9.7
 122 3.9 5.0 7.4

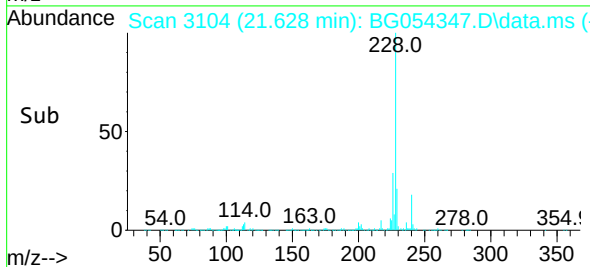
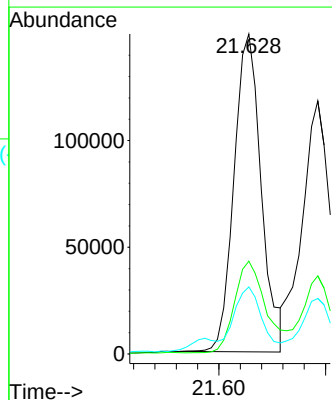
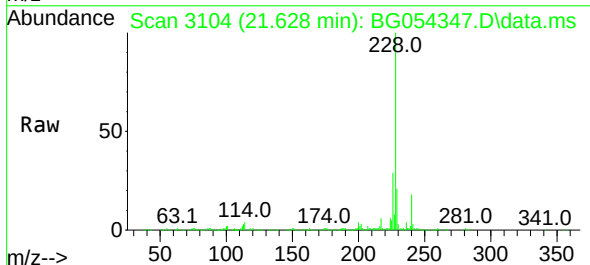
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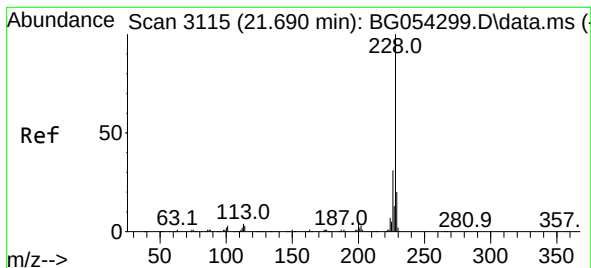
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022



#81
 Benzo(a)anthracene
 Concen: 25.028 ng
 RT: 21.628 min Scan# 3104
 Delta R.T. 0.009 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

Tgt Ion:228 Resp: 264415
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.6 32.4
 229 21.0 16.2 24.2





#83

Chrysene

Concen: 21.575 ng

RT: 21.693 min Scan# 3115

Delta R.T. 0.003 min

Lab File: BG054347.D

Acq: 21 Jul 2022 16:20

Instrument :

BNA_G

ClientSampleId :

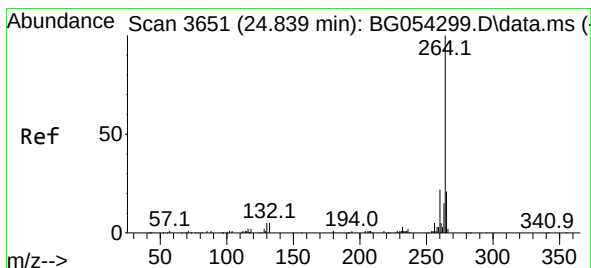
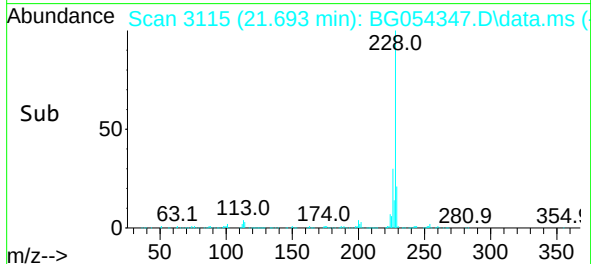
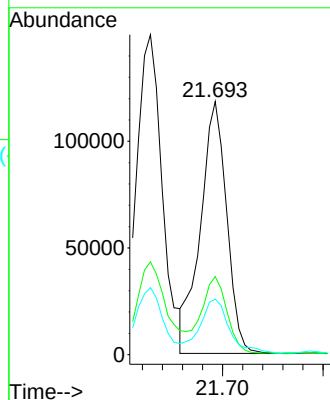
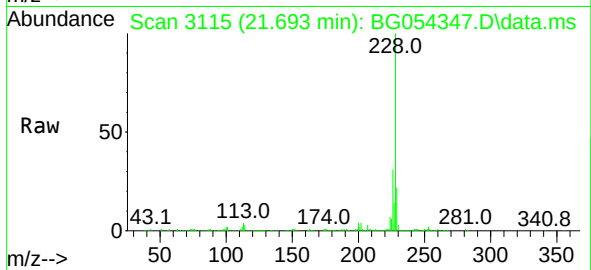
COMP-3

Tgt Ion:228 Resp: 215349
 Ion Ratio Lower Upper
 228 100
 226 30.9 23.4 35.2
 229 21.9 15.5 23.3

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Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022



#86

Perylene-d12

Concen: 20.000 ng

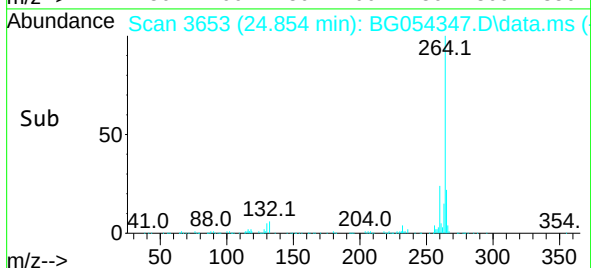
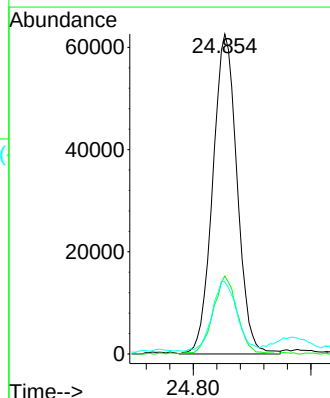
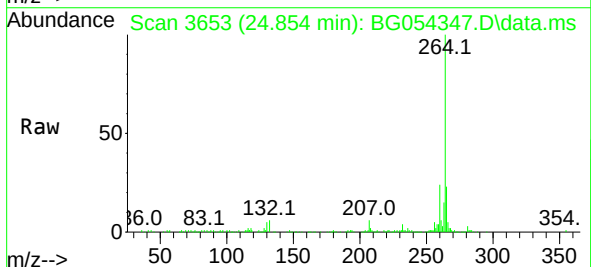
RT: 24.854 min Scan# 3653

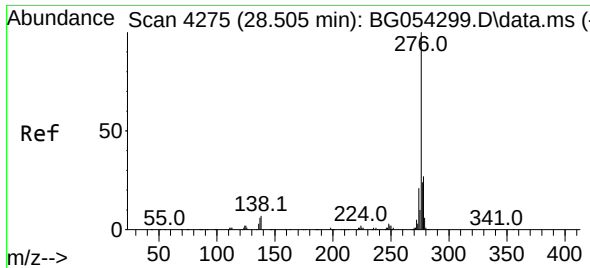
Delta R.T. 0.015 min

Lab File: BG054347.D

Acq: 21 Jul 2022 16:20

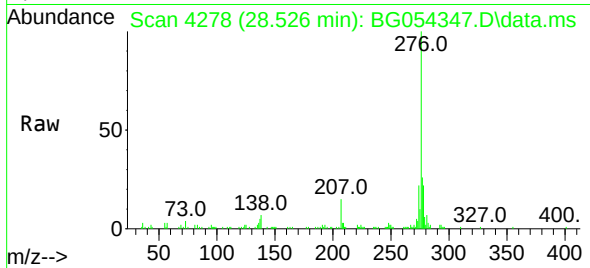
Tgt Ion:264 Resp: 179919
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.6
 265 22.6 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.522 ng
 RT: 28.526 min Scan# 41
 Delta R.T. 0.021 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

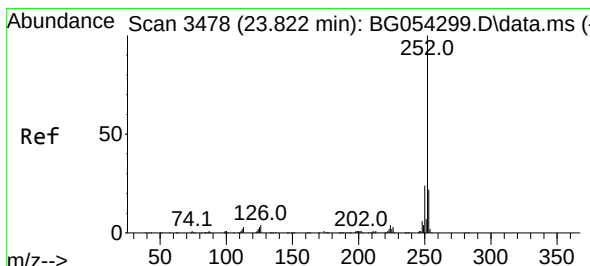
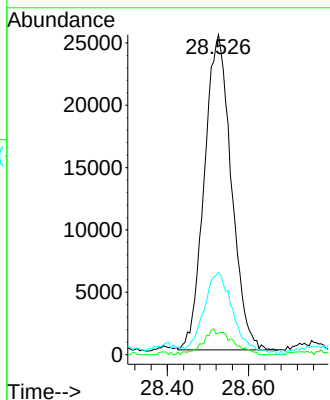
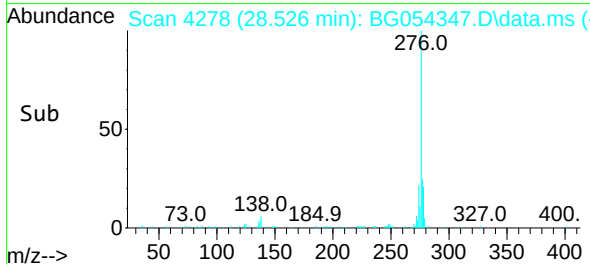
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3



Tgt Ion:276 Resp: 116638
 Ion Ratio Lower Upper
 276 100
 138 4.7 5.0 7.4
 277 26.6 20.3 30.5

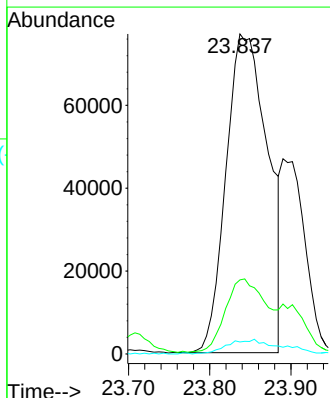
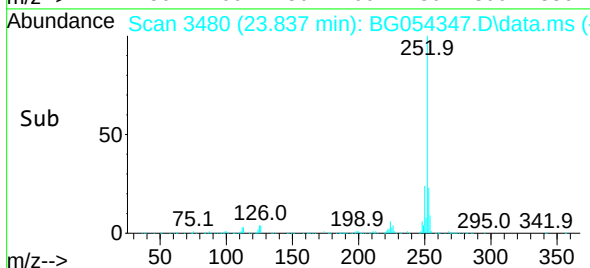
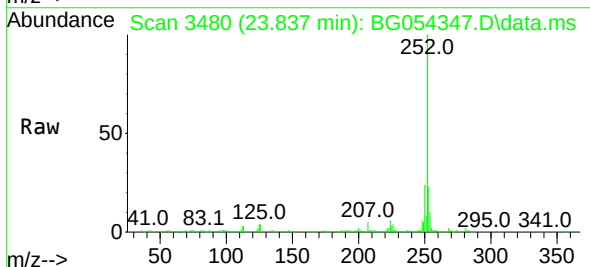
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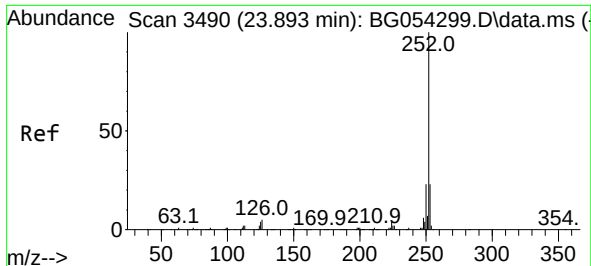
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022



#88
 Benzo(b)fluoranthene
 Concen: 25.783 ng
 RT: 23.837 min Scan# 3480
 Delta R.T. 0.015 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

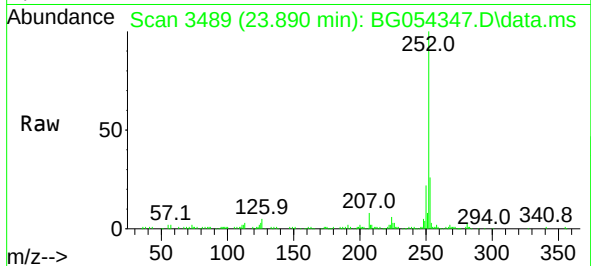
Tgt Ion:252 Resp: 274334
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.0 27.0
 125 3.7 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 8.953 ng m
RT: 23.890 min Scan# 3490
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

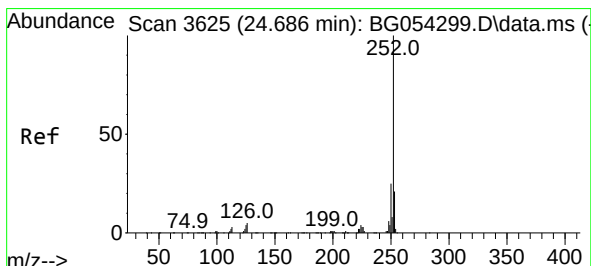
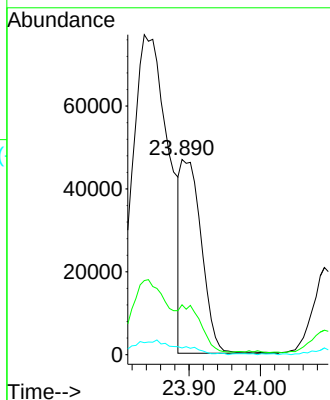
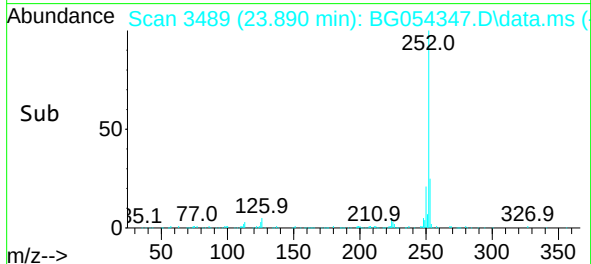
Instrument :
BNA_G
ClientSampleId :
COMP-3



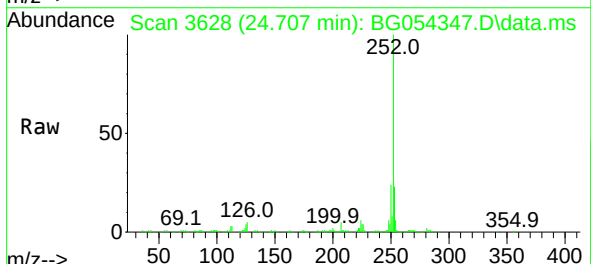
Tgt Ion:252 Resp: 94802
Ion Ratio Lower Upper
252 100
253 25.6 18.4 27.6
125 3.5 4.8 7.2

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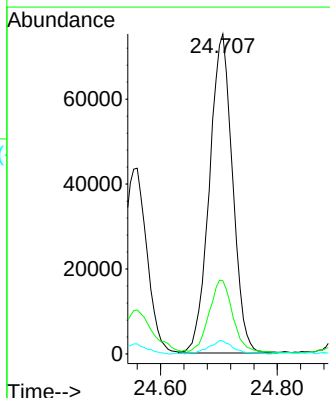
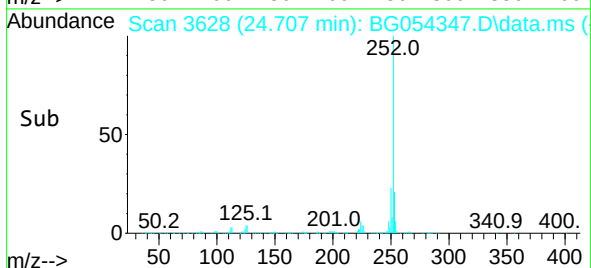
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

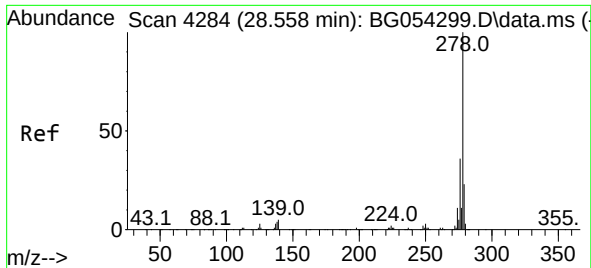


#90
Benzo(a)pyrene
Concen: 22.745 ng m
RT: 24.707 min Scan# 3628
Delta R.T. 0.021 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20



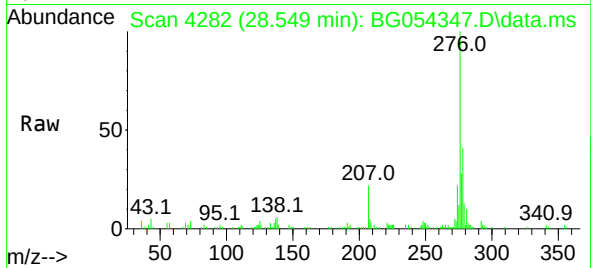
Tgt Ion:252 Resp: 206684
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 4.1 4.3 6.5





#91
 Dibenzo(a,h)anthracene
 Concen: 3.454 ng m
 RT: 28.549 min Scan# 41
 Delta R.T. -0.009 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

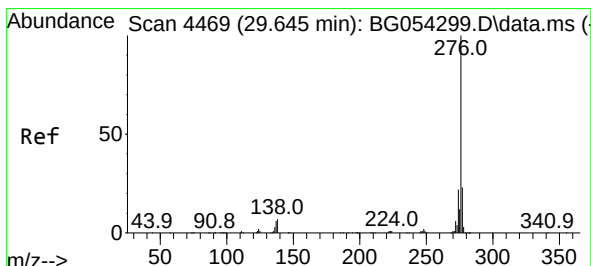
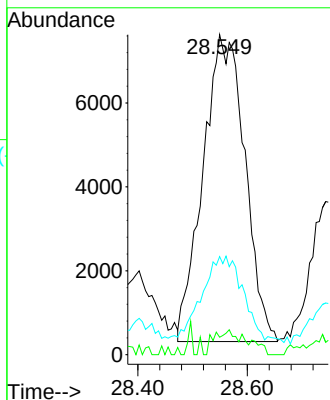
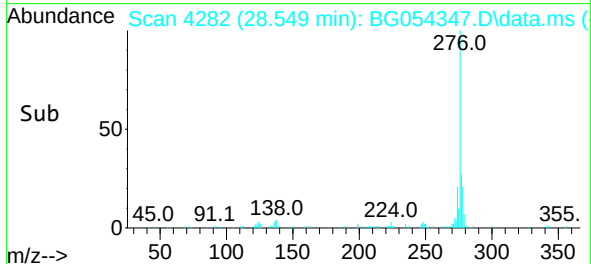
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3



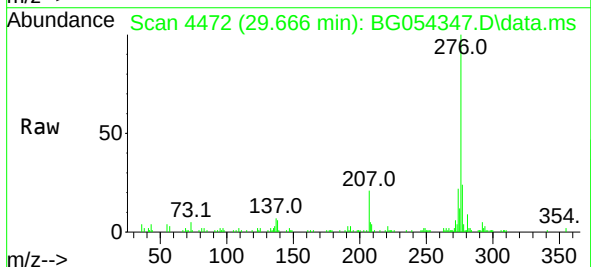
Tgt Ion:278 Resp: 38870
 Ion Ratio Lower Upper
 278 100
 139 5.5 7.2 10.8
 279 30.6 18.6 27.8

Manual Integrations
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Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022



#92
 Benzo(g,h,i)perylene
 Concen: 9.004 ng
 RT: 29.666 min Scan# 4472
 Delta R.T. 0.021 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20



Tgt Ion:276 Resp: 100023
 Ion Ratio Lower Upper
 276 100
 277 23.8 17.3 25.9
 138 6.2 9.6 14.4

