

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054487.D
 Acq On : 2 Aug 2022 17:32
 Operator : CG/JU
 Sample : N3894-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-34

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/03/2022
 Supervised By : Jagrut Upadhyay 08/04/2022

Quant Time: Aug 03 04:14:14 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	7.988	152	20084	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	75096	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	54990	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	133809	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	149889	20.000	ng	# 0.00
86) Perylene-d12	24.850	264	160068	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	94871	98.626	ng	0.01
7) Phenol-d6	7.183	99	125923	95.535	ng	0.01
23) Nitrobenzene-d5	9.151	82	85608	62.080	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	110490	95.697	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	258942	66.428	ng	0.00
79) Terphenyl-d14	19.980	244	513349	67.942	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.412	178	49643	7.450	ng	98
75) Fluoranthene	19.427	202	158818	17.484	ng	97
78) Pyrene	19.786	202	147946	17.202	ng	99
81) Benzo(a)anthracene	21.619	228	111670	11.736	ng	97
83) Chrysene	21.684	228	102799	11.436	ng	96
87) Indeno(1,2,3-cd)pyrene	28.546	276	63460	5.211	ng	# 94
88) Benzo(b)fluoranthene	23.834	252	153517	16.217	ng	# 98
89) Benzo(k)fluoranthene	23.881	252	52858m	5.611	ng	
90) Benzo(a)pyrene	24.698	252	104487	12.925	ng	98
92) Benzo(g,h,i)perylene	29.692	276	54955m	5.561	ng	

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

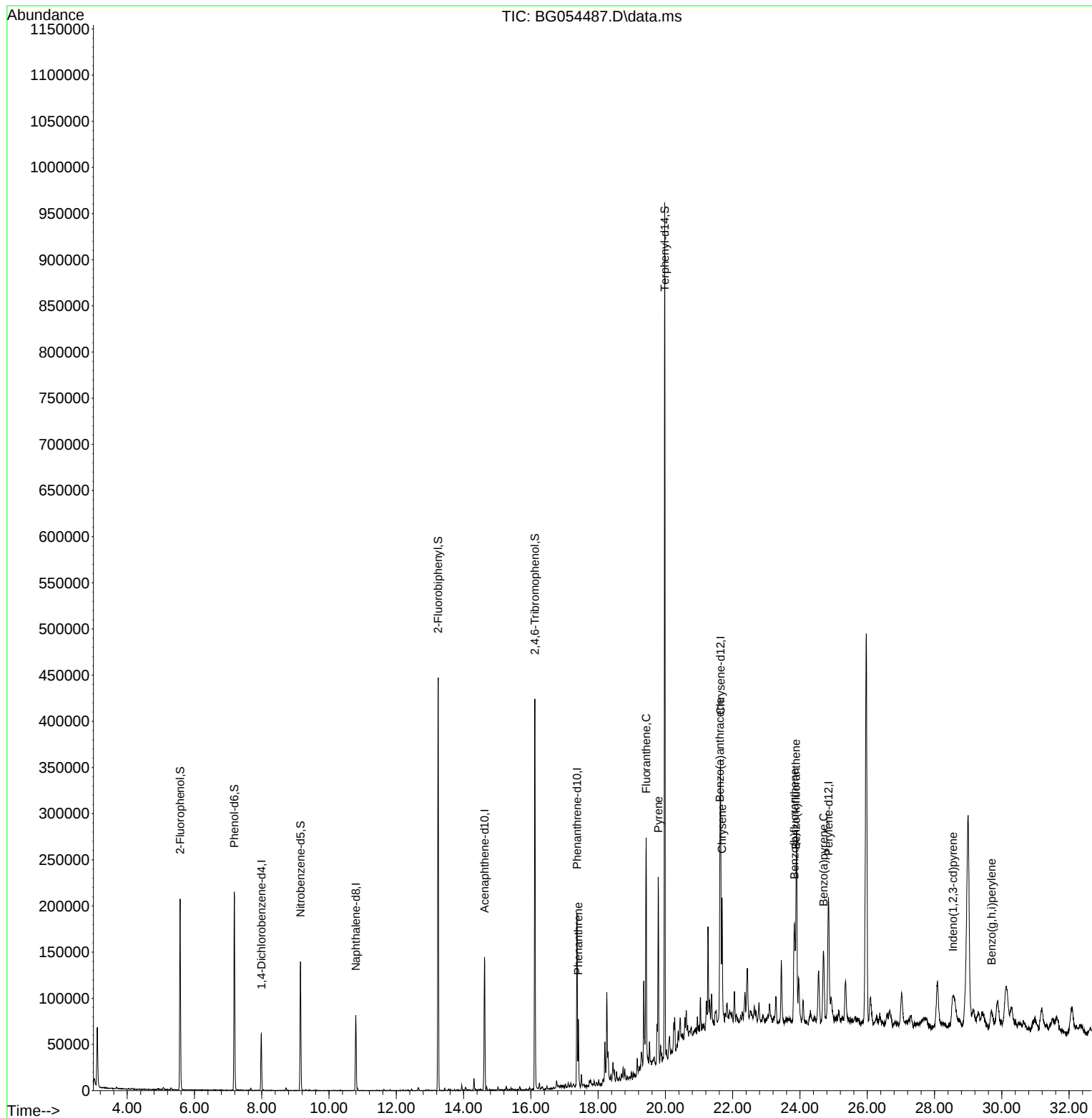
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
Data File : BG054487.D
Acq On : 2 Aug 2022 17:32
Operator : CG/JU
Sample : N3894-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

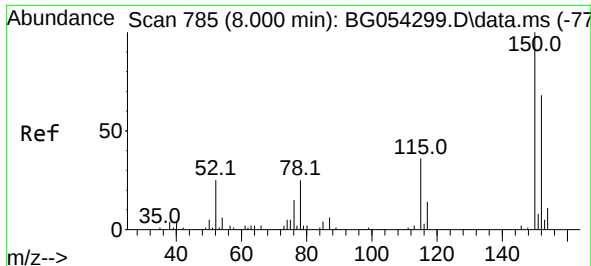
Instrument :
BNA_G
ClientSampleId :
RVE-34

Quant Time: Aug 03 04:14:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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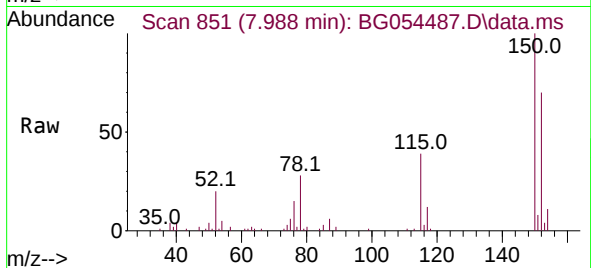
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Instrument :

BNA_G

ClientSampleId :

RVE-34

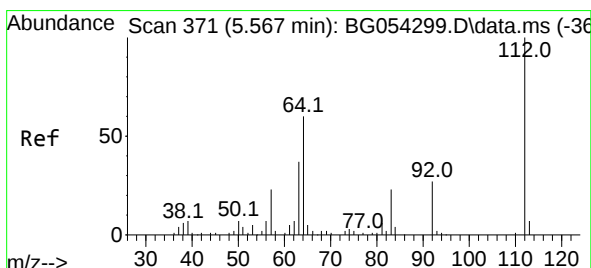
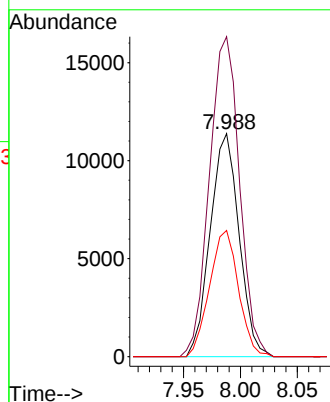
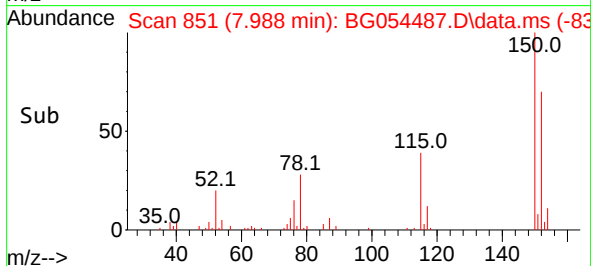


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Ion Ratio Lower Upper
152 100
150 143.6 131.6 197.4
115 56.6 50.9 76.3

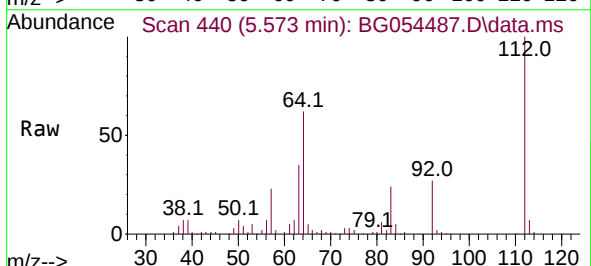
Manual Integrations

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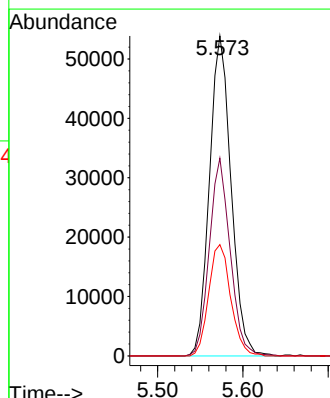
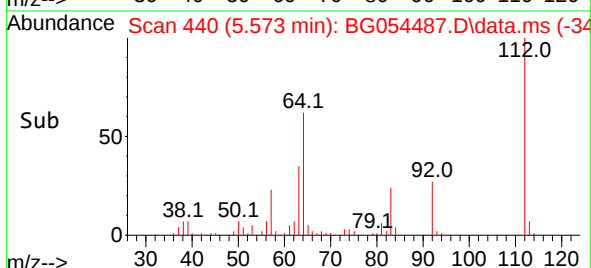
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

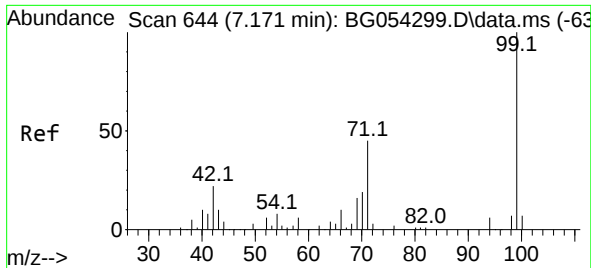


#5
2-Fluorophenol
Concen: 98.626 ng
RT: 5.573 min Scan# 440
Delta R.T. 0.011 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32



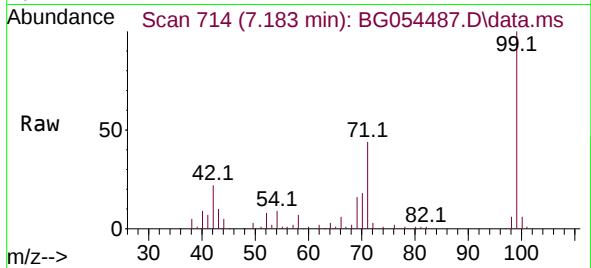
Tgt Ion:112 Resp: 94871
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 34.8 30.4 45.6





#7
Phenol-d6
Concen: 95.535 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.011 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

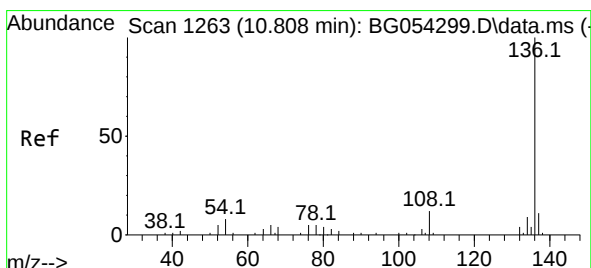
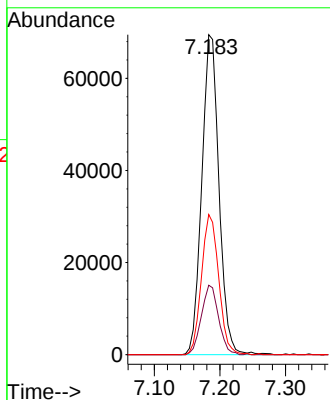
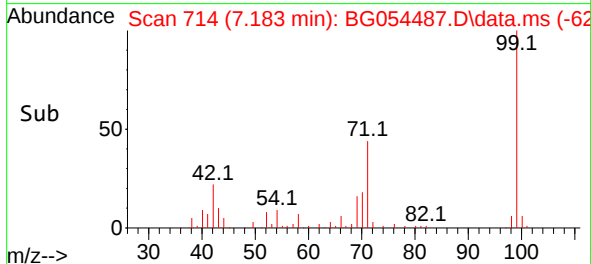
Instrument :
BNA_G
ClientSampleId :
RVE-34



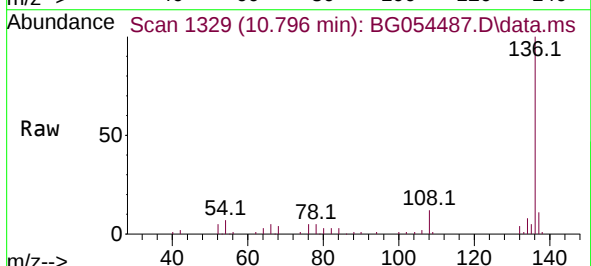
Tgt Ion: 99 Resp: 125923
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 43.8 33.8 50.8

Manual Integrations
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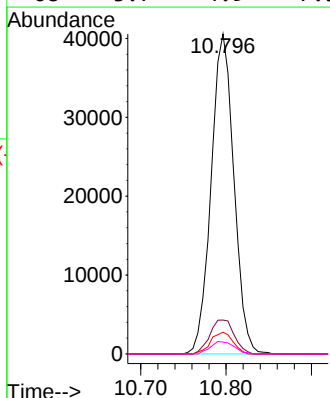
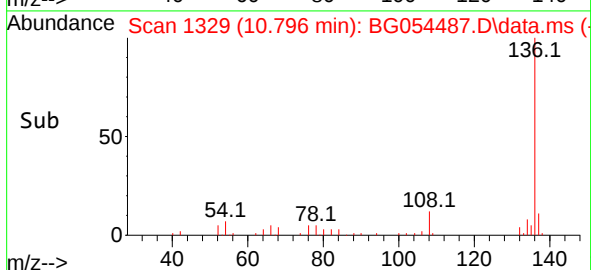
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32



Tgt Ion:136 Resp: 75096
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.8 7.4 11.2#
68 3.7 4.9 7.3#





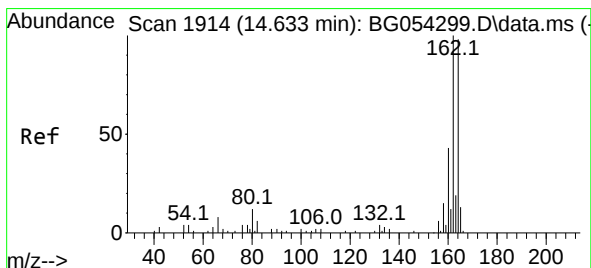
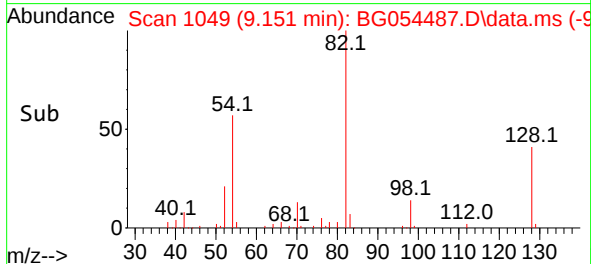
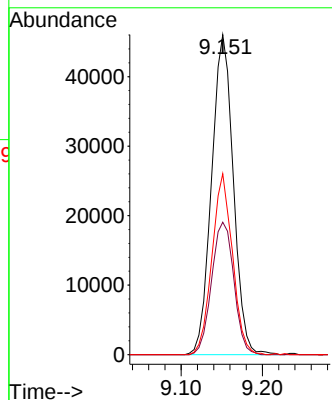
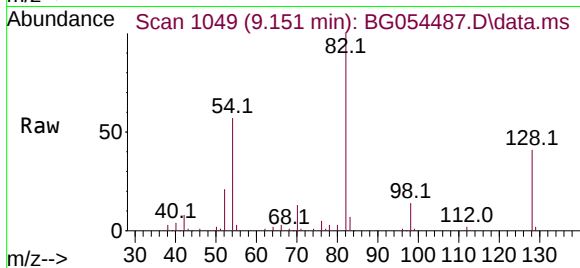
#23
Nitrobenzene-d5
Concen: 62.080 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Instrument :
BNA_G
ClientSampleId :
RVE-34

Tgt Ion: 82 Resp: 85608
Ion Ratio Lower Upper
82 100
128 41.4 27.9 41.9
54 56.5 41.2 61.8

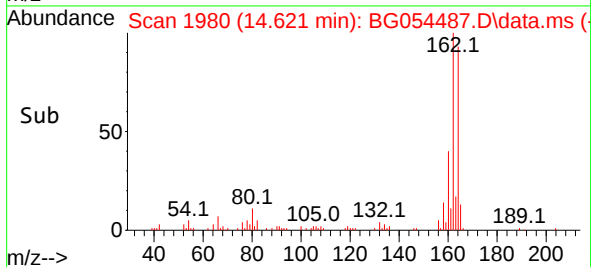
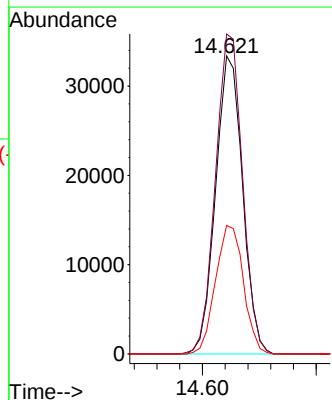
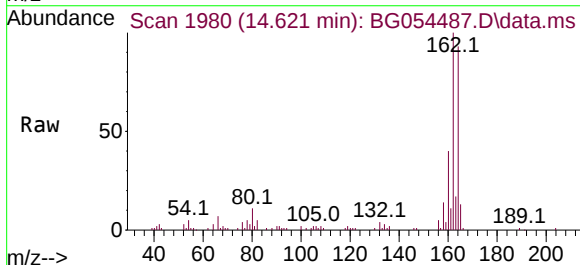
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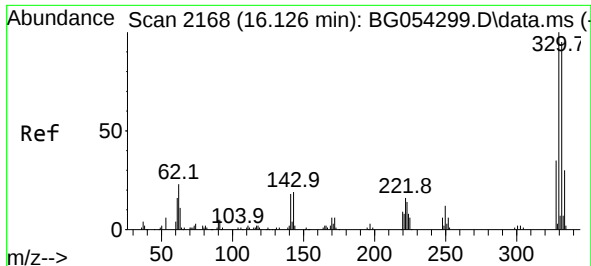
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Tgt Ion:164 Resp: 54990
Ion Ratio Lower Upper
164 100
162 107.4 82.3 123.5
160 43.1 34.2 51.2





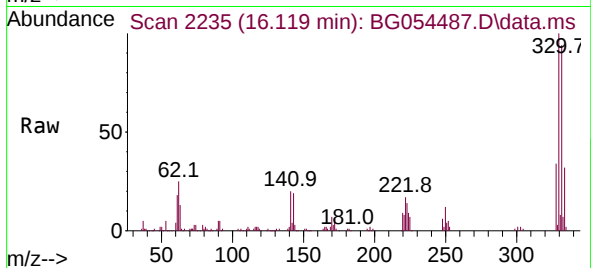
#42
2,4,6-Tribromophenol
Concen: 95.697 ng
RT: 16.119 min Scan# 2168
Delta R.T. 0.005 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

Instrument :

BNA_G

ClientSampleId :

RVE-34

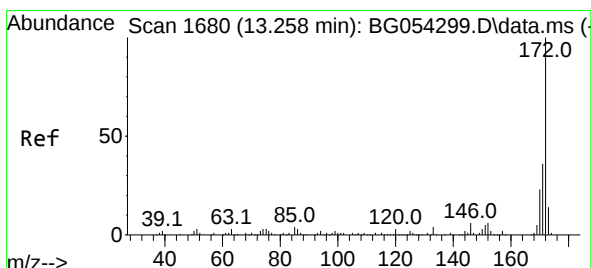
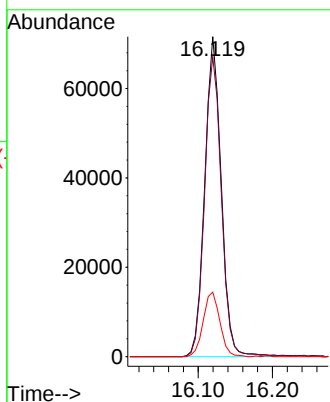
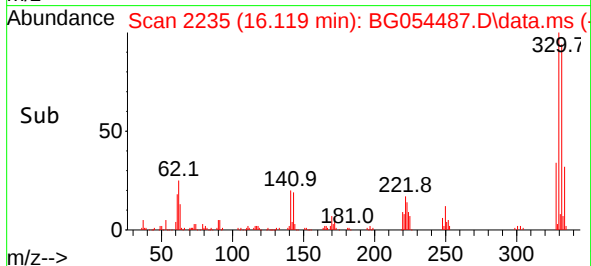


Tgt Ion:330 Resp: 110490
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 20.4 27.1 40.7

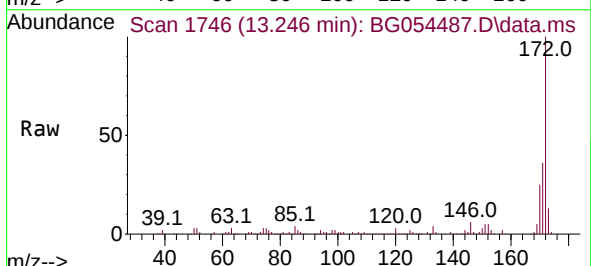
Manual Integrations

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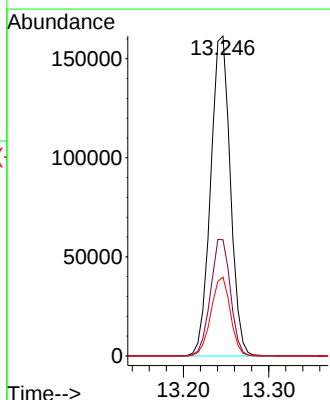
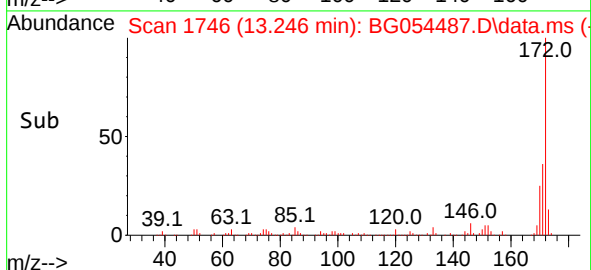
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

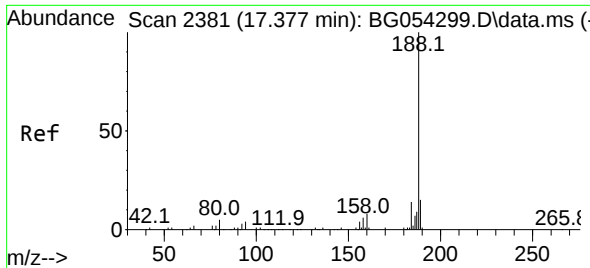


#45
2-Fluorobiphenyl
Concen: 66.428 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32



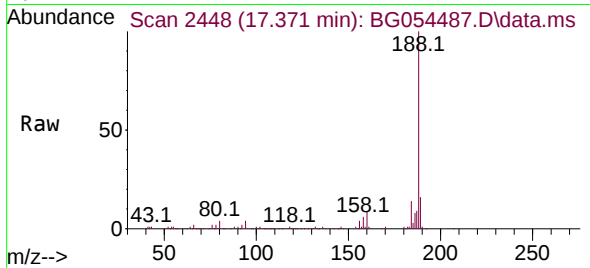
Tgt Ion:172 Resp: 258942
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.6 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

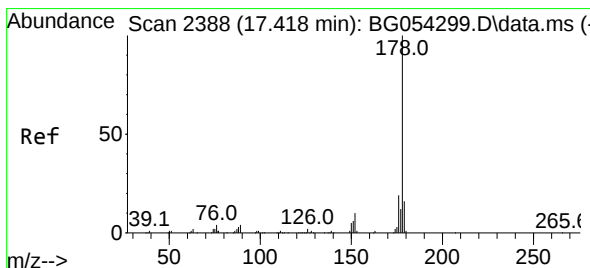
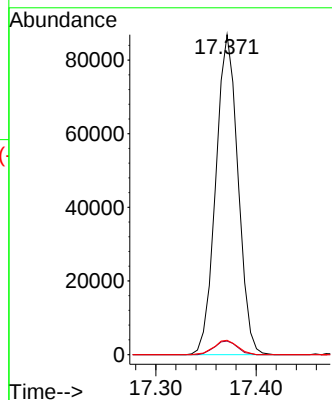
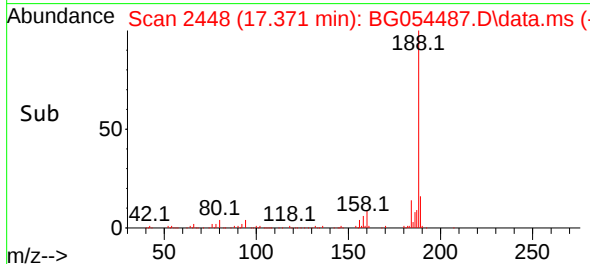
Instrument :
BNA_G
ClientSampleId :
RVE-34



Tgt Ion:188 Resp: 133809
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0
80 4.5 6.8 10.2

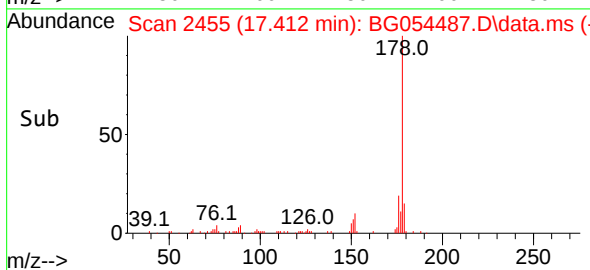
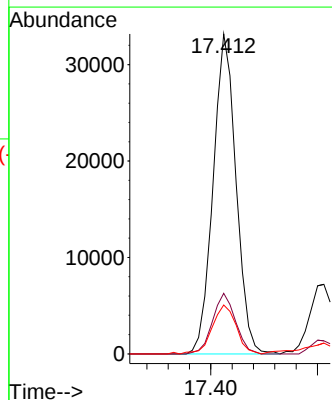
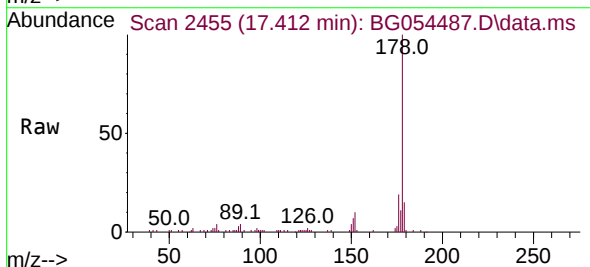
Manual Integrations
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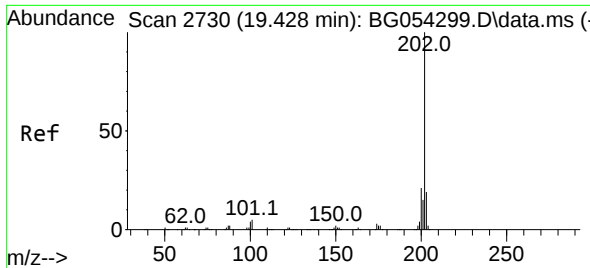
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#71
Phenanthrene
Concen: 7.450 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

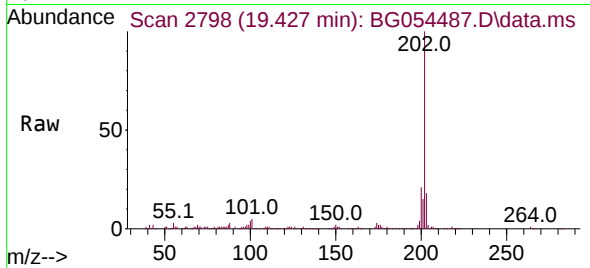
Tgt Ion:178 Resp: 49643
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 15.3 12.1 18.1





#75
Fluoranthene
Concen: 17.484 ng
RT: 19.427 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

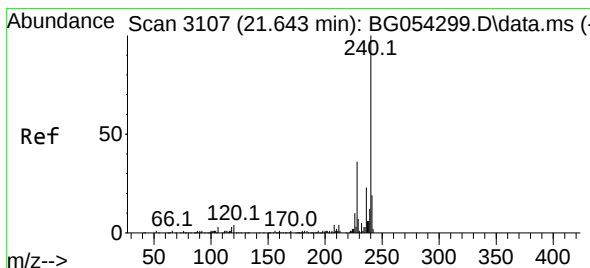
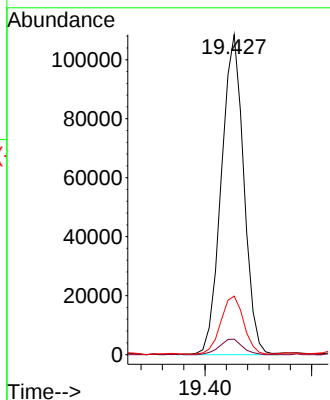
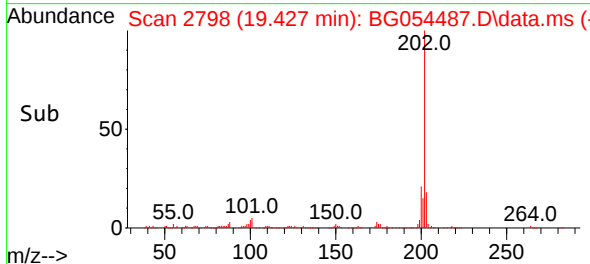
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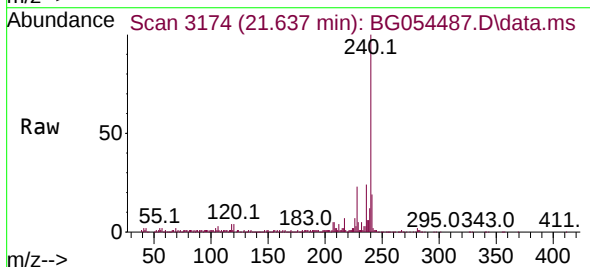
Tgt Ion:202 Resp: 158818
Ion Ratio Lower Upper
202 100
101 4.9 0.0 26.9
203 18.3 0.0 37.2

Manual Integrations
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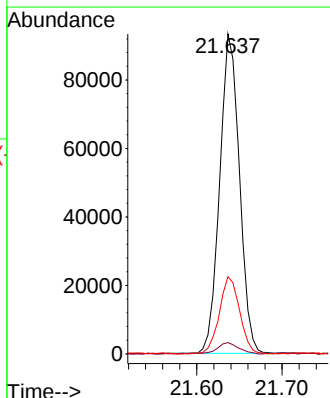
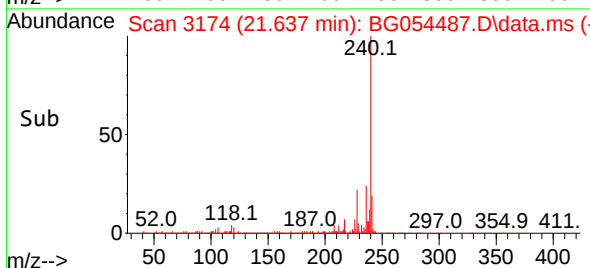
Reviewed By :Christian Giraldo 08/03/2022
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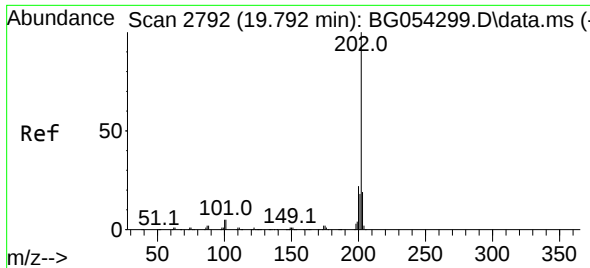


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32



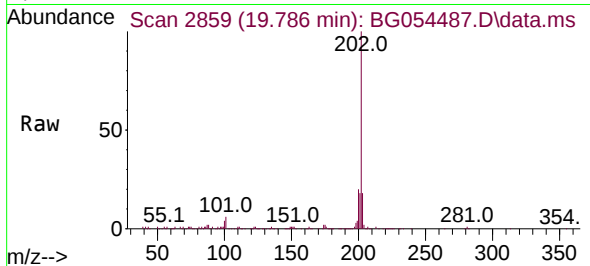
Tgt Ion:240 Resp: 149889
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 24.1 20.2 30.4





#78
Pyrene
Concen: 17.202 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

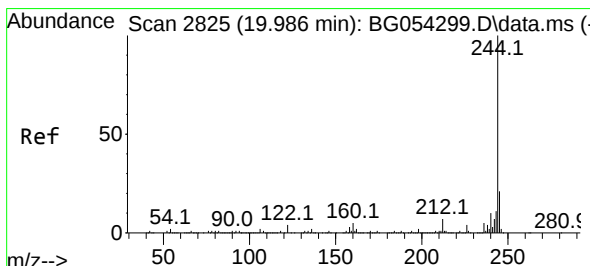
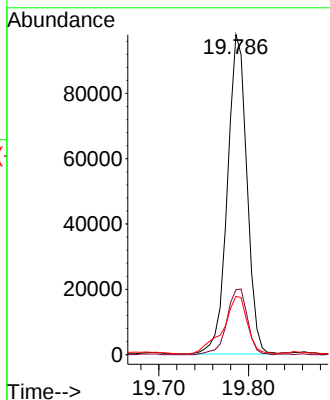
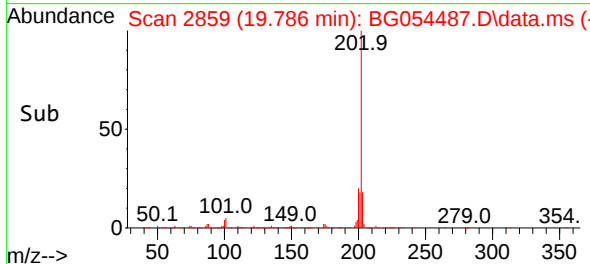
Instrument :
BNA_G
ClientSampleId :
RVE-34



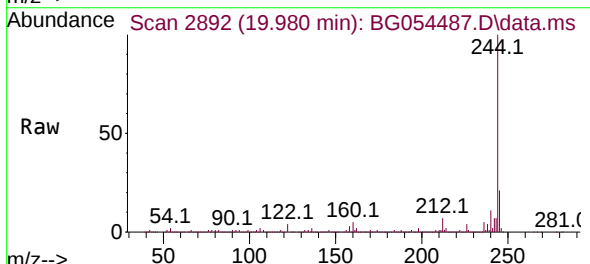
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Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 18.2 14.6 21.8

Manual Integrations
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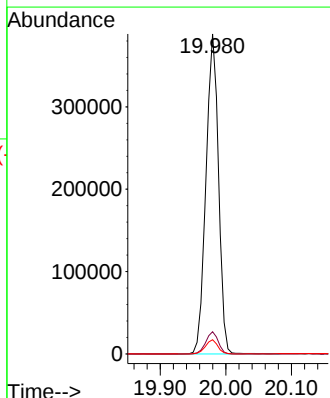
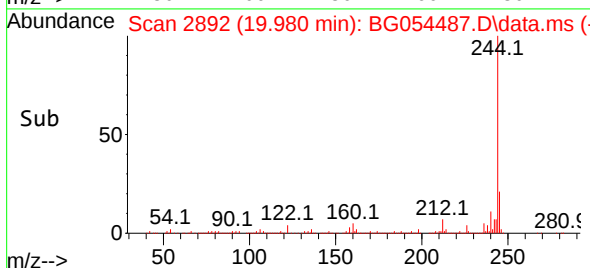
Reviewed By :Christian Giraldo 08/03/2022
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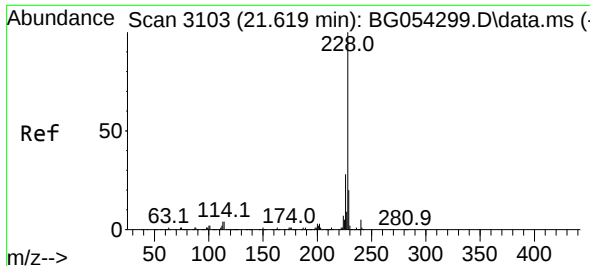


#79
Terphenyl-d14
Concen: 67.942 ng
RT: 19.980 min Scan# 2892
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32



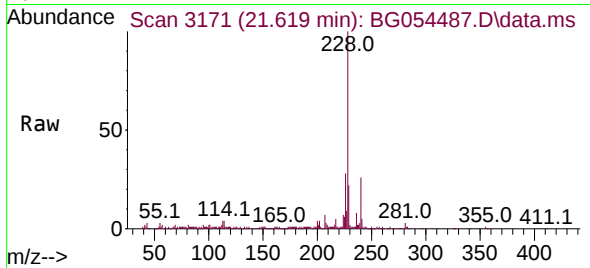
Tgt Ion:244 Resp: 513349
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 4.4 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 11.736 ng
RT: 21.619 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

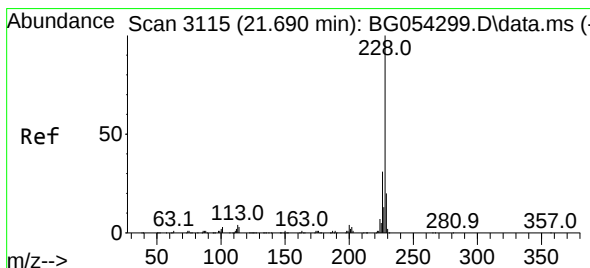
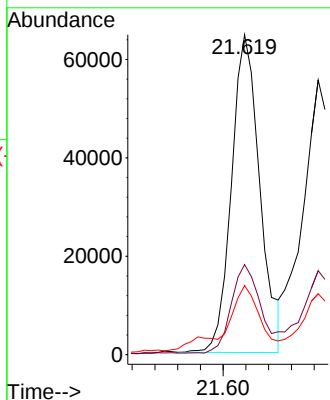
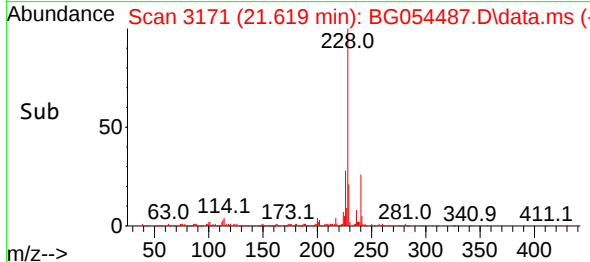
Instrument :
BNA_G
ClientSampleId :
RVE-34



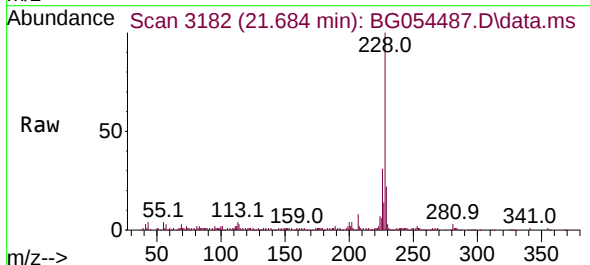
Tgt Ion:228 Resp: 111670
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 21.6 16.2 24.2

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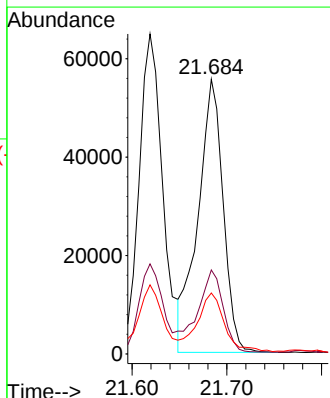
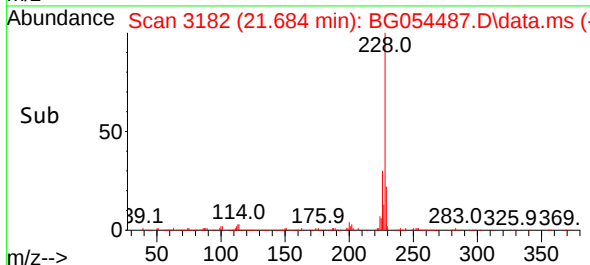
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

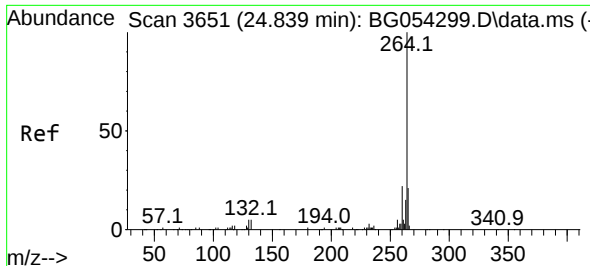


#83
Chrysene
Concen: 11.436 ng
RT: 21.684 min Scan# 3182
Delta R.T. -0.001 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32



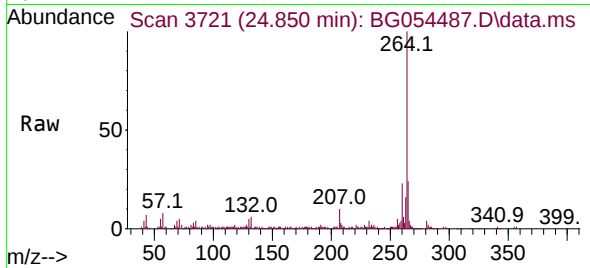
Tgt Ion:228 Resp: 102799
Ion Ratio Lower Upper
228 100
226 30.5 23.4 35.2
229 22.2 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.850 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

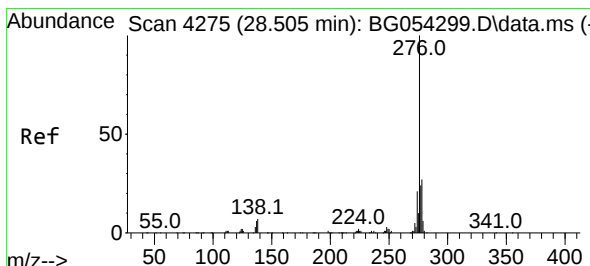
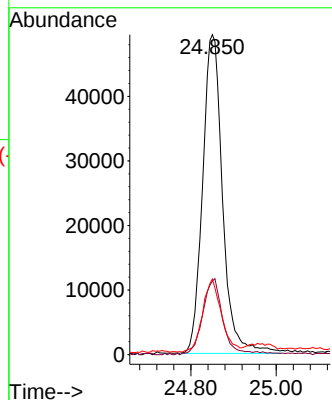
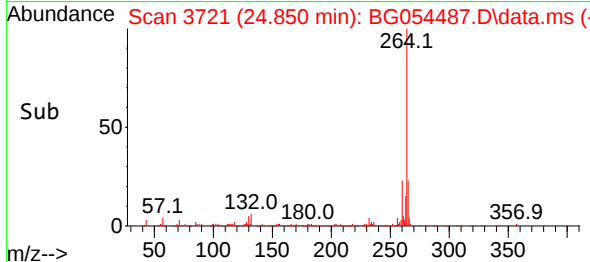
Instrument :
BNA_G
ClientSampleId :
RVE-34



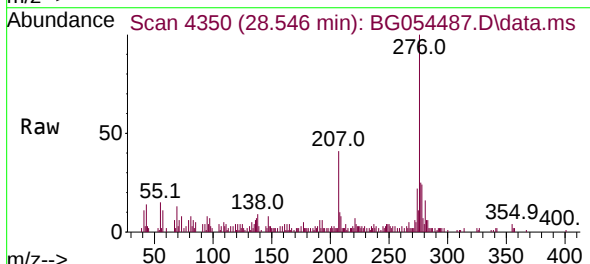
Tgt Ion:264 Resp: 160068
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 23.6 17.4 26.2

Manual Integrations
APPROVED

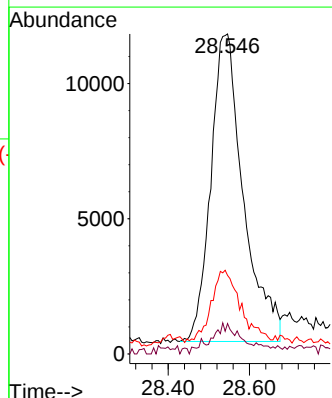
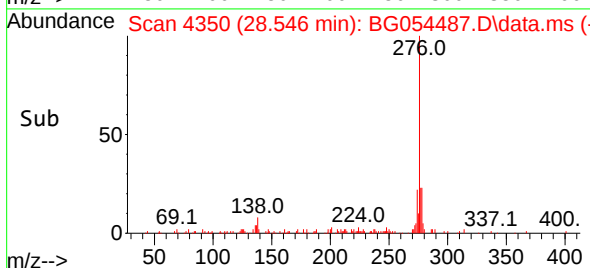
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

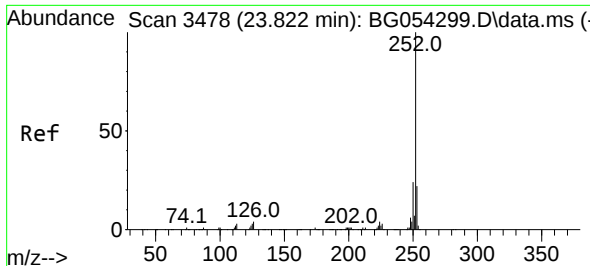


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.211 ng
RT: 28.546 min Scan# 4350
Delta R.T. 0.029 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32



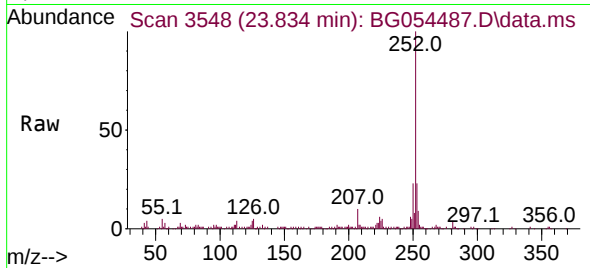
Tgt Ion:276 Resp: 63460
Ion Ratio Lower Upper
276 100
138 4.5 5.0 7.4#
277 22.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 16.217 ng
RT: 23.834 min Scan# 3556
Delta R.T. 0.011 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

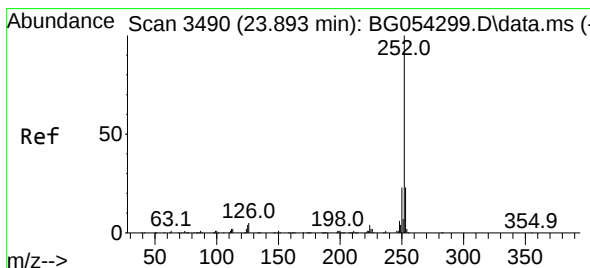
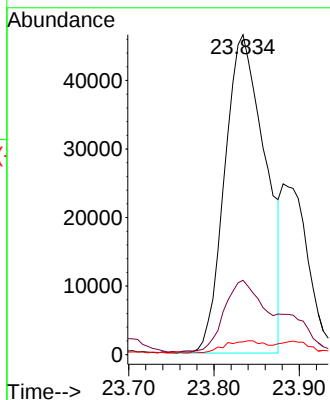
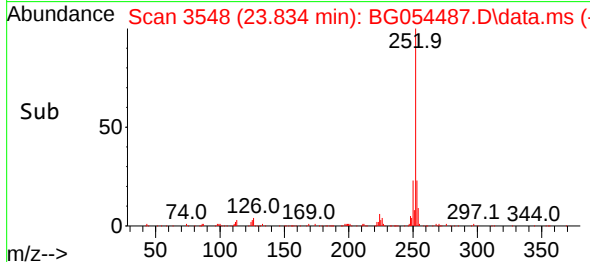
Instrument :
BNA_G
ClientSampleId :
RVE-34



Tgt Ion:252 Resp: 153517
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 4.0 4.6 6.8

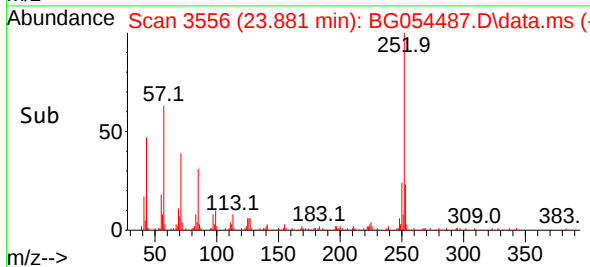
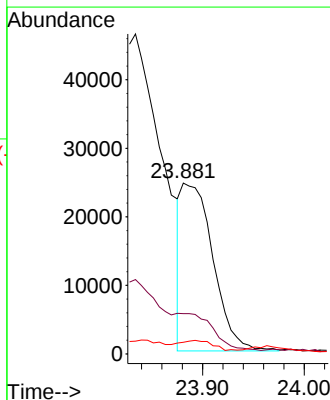
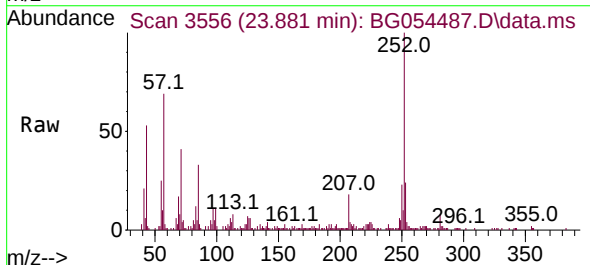
Manual Integrations
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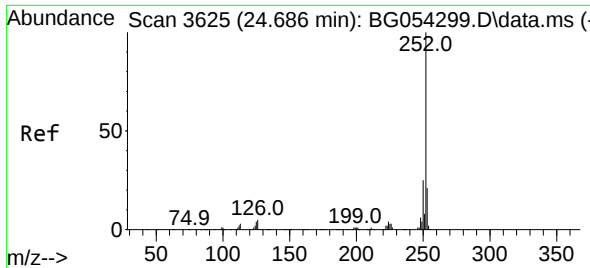
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#89
Benzo(k)fluoranthene
Concen: 5.611 ng m
RT: 23.881 min Scan# 3556
Delta R.T. -0.006 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

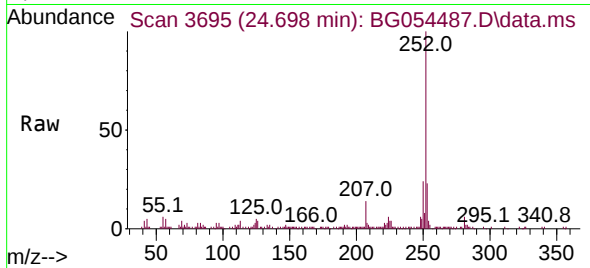
Tgt Ion:252 Resp: 52858
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 6.8 4.8 7.2





#90
Benzo(a)pyrene
Concen: 12.925 ng
RT: 24.698 min Scan# 3625
Delta R.T. 0.011 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32

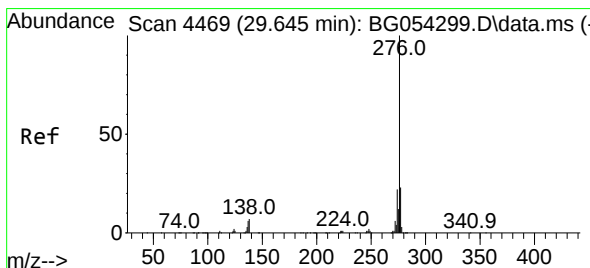
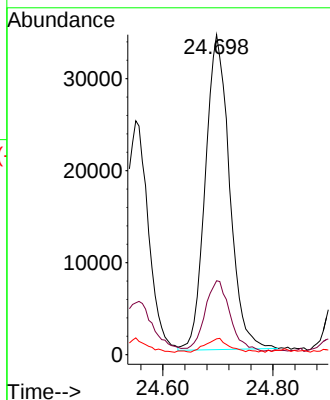
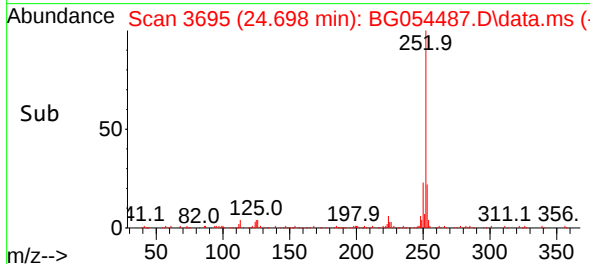
Instrument :
BNA_G
ClientSampleId :
RVE-34



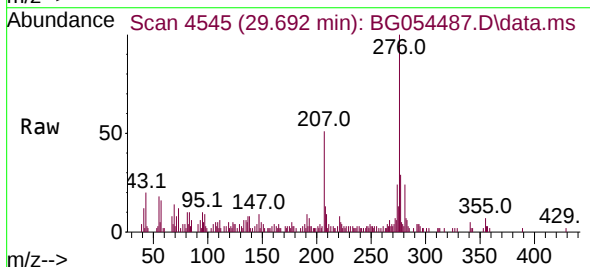
Tgt Ion:252 Resp: 104487
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 4.9 4.3 6.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#92
Benzo(g,h,i)perylene
Concen: 5.561 ng m
RT: 29.692 min Scan# 4545
Delta R.T. 0.029 min
Lab File: BG054487.D
Acq: 2 Aug 2022 17:32



Tgt Ion:276 Resp: 54955
Ion Ratio Lower Upper
276 100
277 29.1 17.3 25.9#
138 8.4 9.6 14.4#

