

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054481.D
 Acq On : 2 Aug 2022 13:21
 Operator : CG/JU
 Sample : N3896-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-71

Manual Integrations
 APPROVED

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

Quant Time: Aug 03 04:13:28 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	7.982	152	15221	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	58780	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	47107	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	125447	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	142670	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	152985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	80296	110.143	ng	0.00
7) Phenol-d6	7.177	99	107771	107.886	ng	0.00
23) Nitrobenzene-d5	9.151	82	72947	67.582	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	113227	114.478	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	232120	69.512	ng	0.00
79) Terphenyl-d14	19.980	244	526746	73.243	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.412	178	23321	3.733	ng	96
75) Fluoranthene	19.421	202	88270	10.365	ng	95
78) Pyrene	19.786	202	84968	10.379	ng	99
81) Benzo(a)anthracene	21.613	228	60329	6.661	ng	97
83) Chrysene	21.678	228	57797	6.755	ng	97
87) Indeno(1,2,3-cd)pyrene	28.511	276	51590	4.433	ng	97
88) Benzo(b)fluoranthene	23.822	252	97453	10.771	ng	98
89) Benzo(k)fluoranthene	23.881	252	27699m	3.076	ng	
90) Benzo(a)pyrene	24.686	252	62651	8.109	ng	# 97
92) Benzo(g,h,i)perylene	29.680	276	48627	5.148	ng	# 96

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

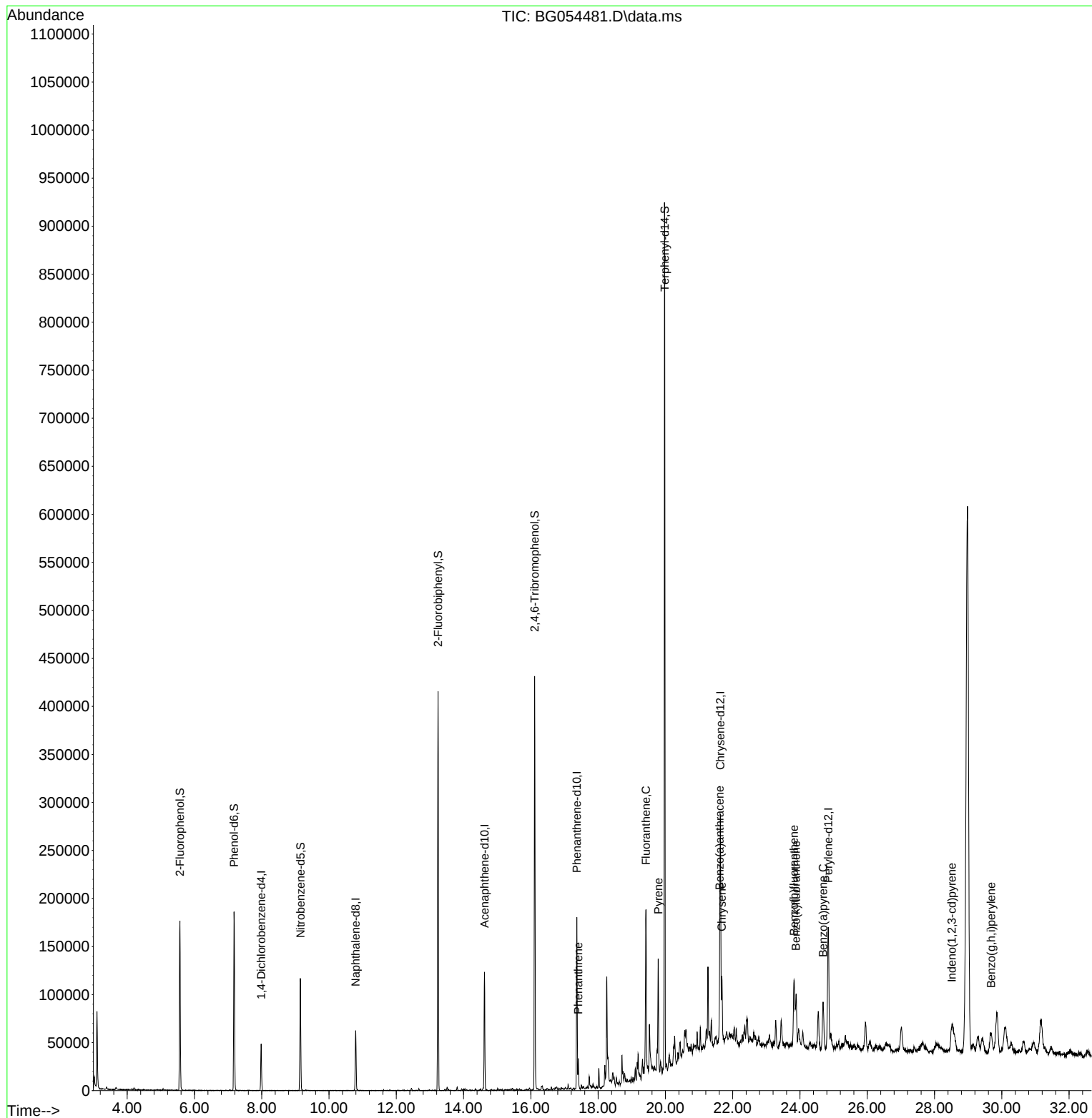
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
Data File : BG054481.D
Acq On : 2 Aug 2022 13:21
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ALS Vial : 6 Sample Multiplier: 1

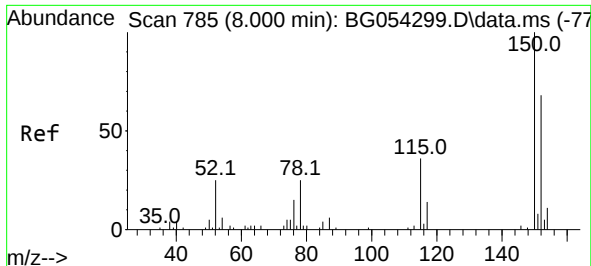
Instrument :
BNA_G
ClientSampleId :
RVE-71

Quant Time: Aug 03 04:13:28 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
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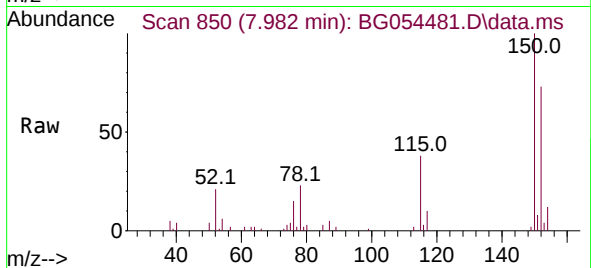
Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.982 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

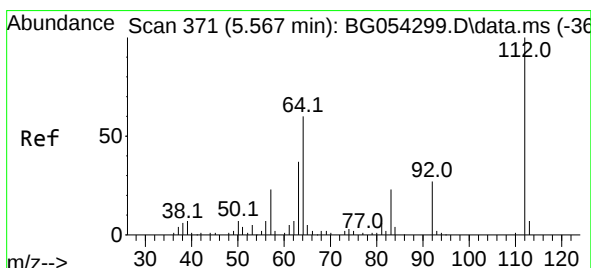
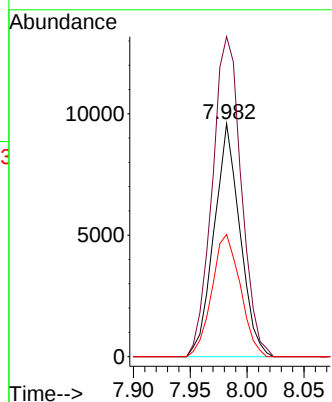
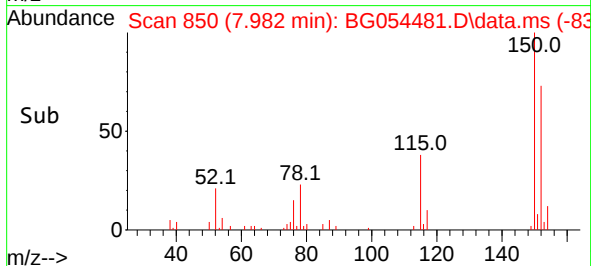
Instrument :
BNA_G
ClientSampleId :
RVE-71



Tgt Ion:152 Resp: 1522
Ion Ratio Lower Upper
152 100
150 137.4 131.6 197.4
115 52.5 50.9 76.3

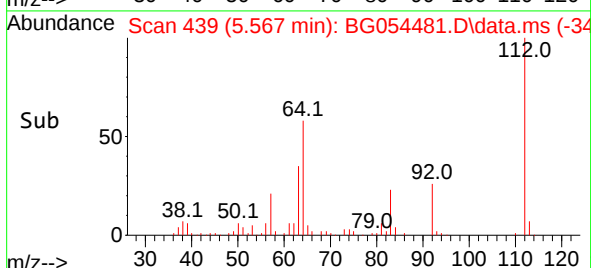
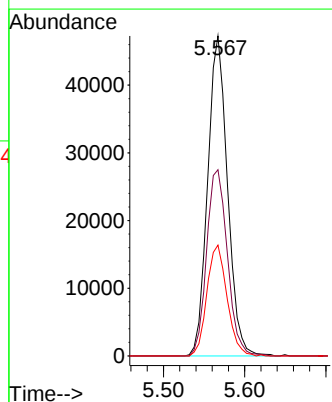
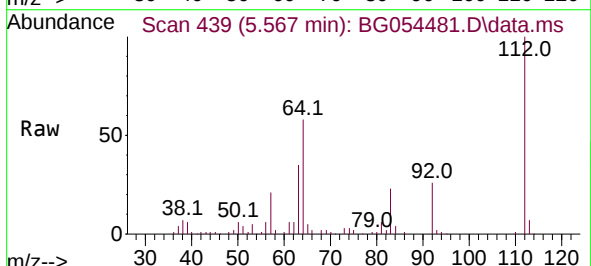
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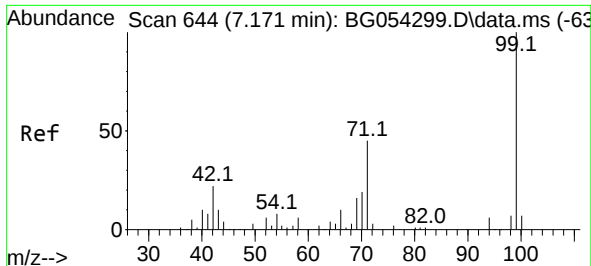
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#5
2-Fluorophenol
Concen: 110.143 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

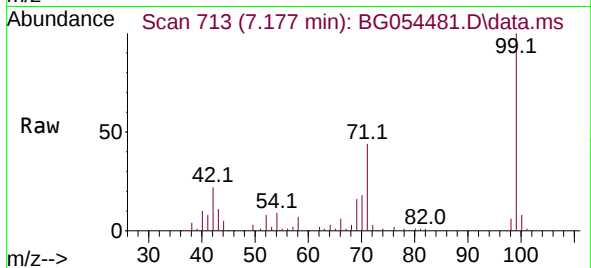
Tgt Ion:112 Resp: 80296
Ion Ratio Lower Upper
112 100
64 58.2 55.1 82.7
63 34.7 30.4 45.6





#7
Phenol-d6
Concen: 107.886 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

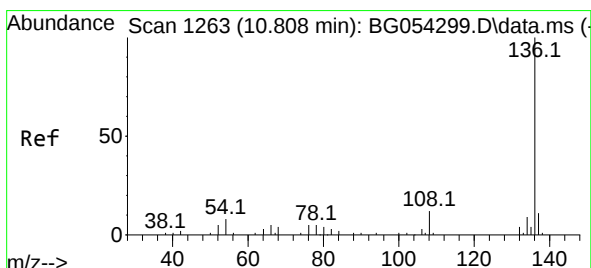
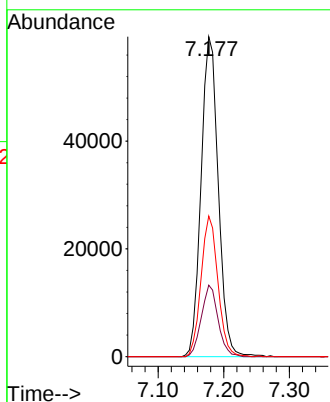
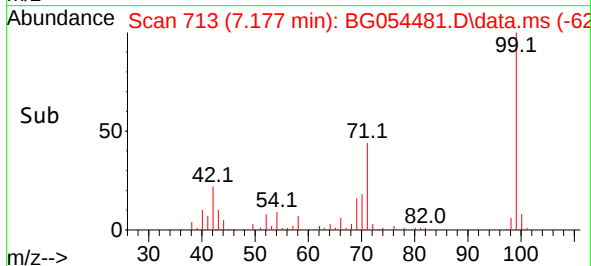
Instrument :
BNA_G
ClientSampleId :
RVE-71



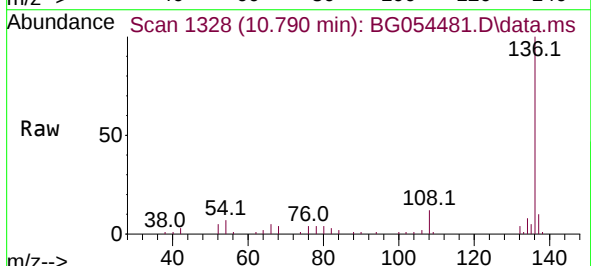
Tgt Ion: 99 Resp: 10777
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 43.9 33.8 50.8

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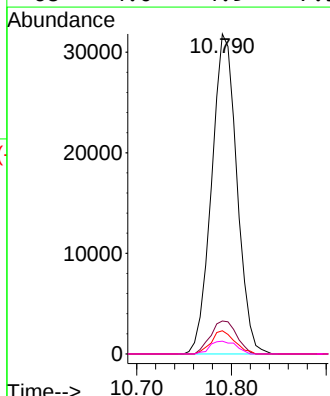
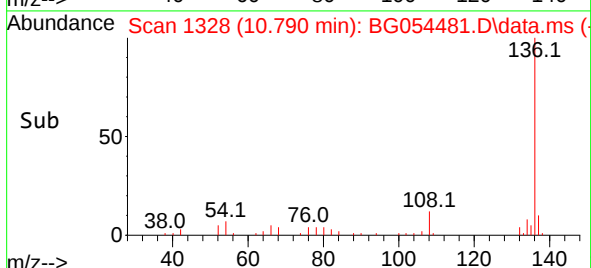
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21



Tgt Ion:136 Resp: 58780
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 7.2 7.4 11.2#
68 4.0 4.9 7.3#





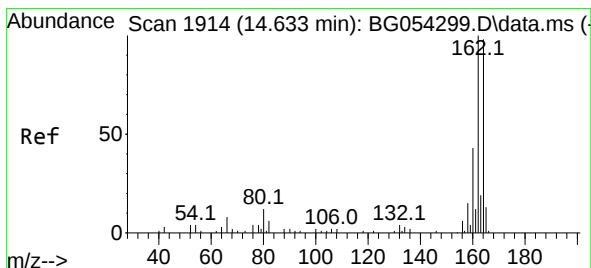
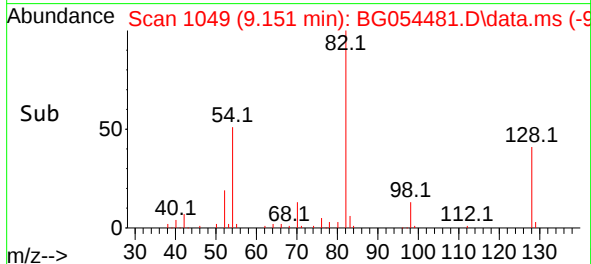
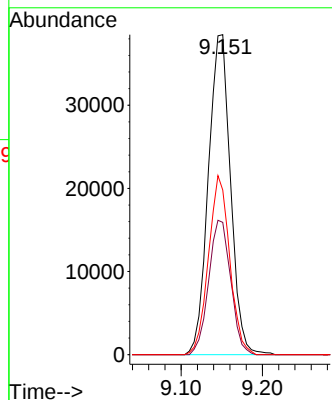
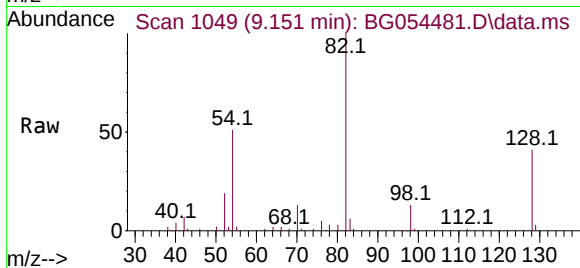
#23
Nitrobenzene-d5
Concen: 67.582 ng
RT: 9.151 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Instrument :
BNA_G
ClientSampleId :
RVE-71

Tgt Ion: 82 Resp: 7294
Ion Ratio Lower Upper
82 100
128 41.4 27.9 41.9
54 51.4 41.2 61.8

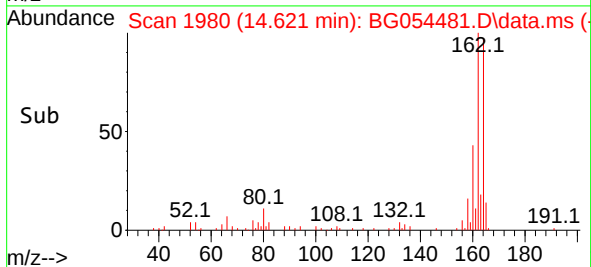
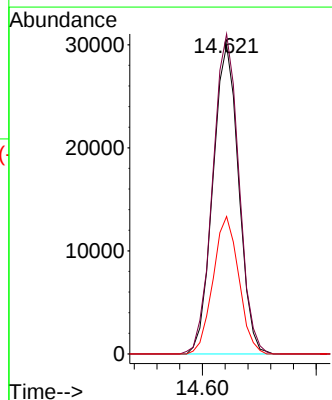
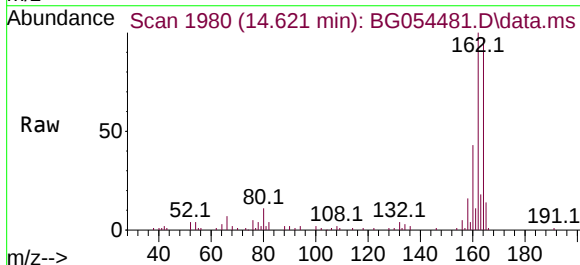
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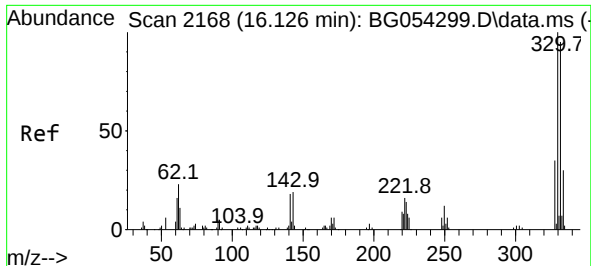
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

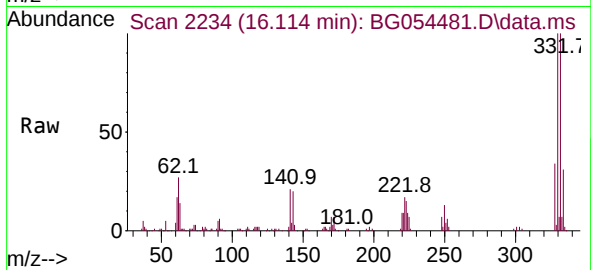
Tgt Ion:164 Resp: 47107
Ion Ratio Lower Upper
164 100
162 103.6 82.3 123.5
160 44.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 114.478 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

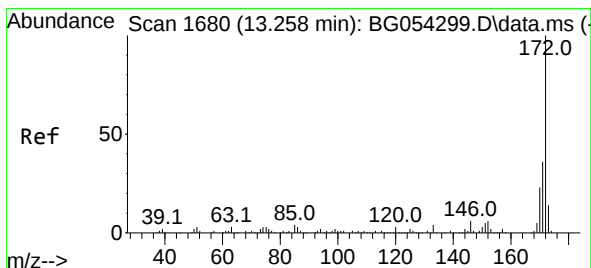
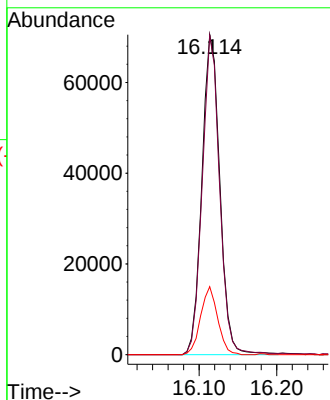
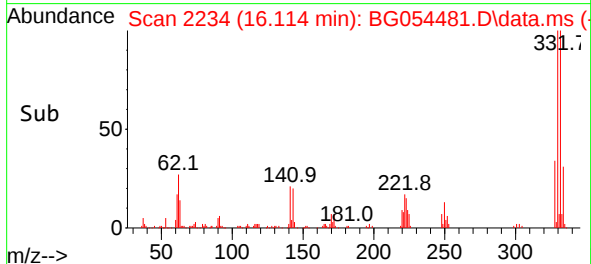
Instrument :
BNA_G
ClientSampleId :
RVE-71



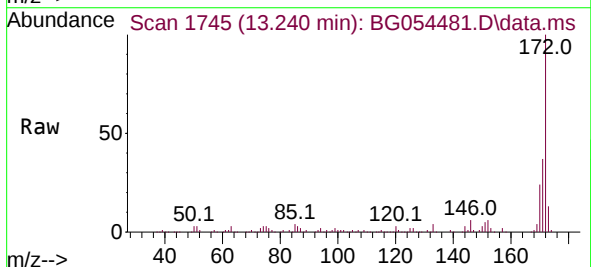
Tgt Ion:330 Resp: 113227
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.2 27.1 40.7

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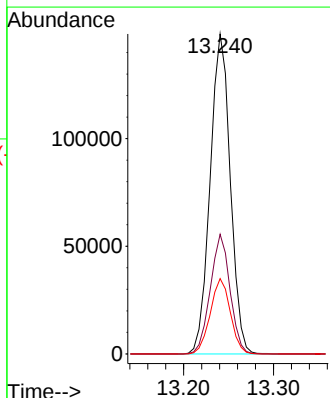
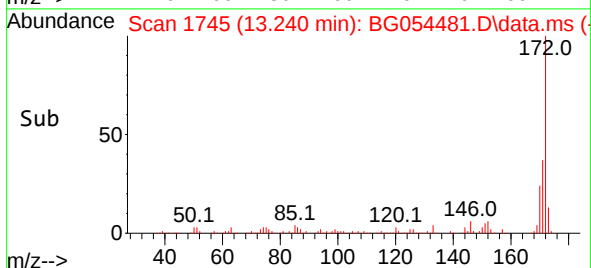
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

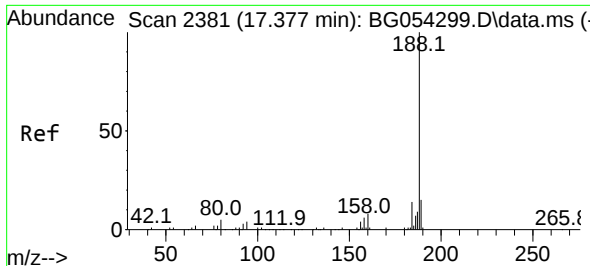


#45
2-Fluorobiphenyl
Concen: 69.512 ng
RT: 13.240 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21



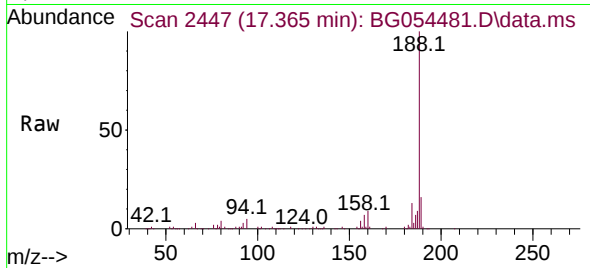
Tgt Ion:172 Resp: 232120
Ion Ratio Lower Upper
172 100
171 37.4 28.5 42.7
170 23.5 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

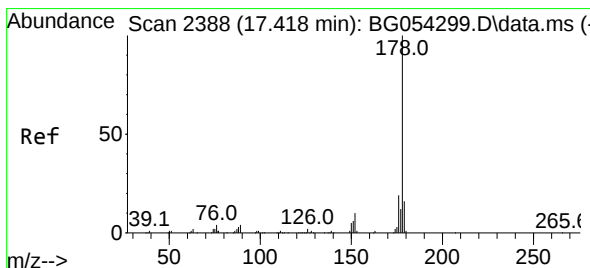
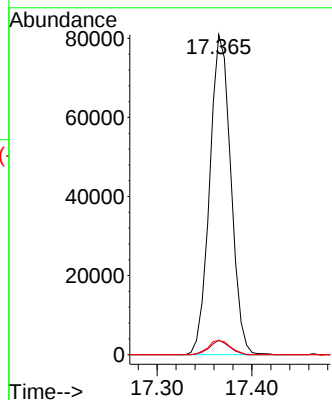
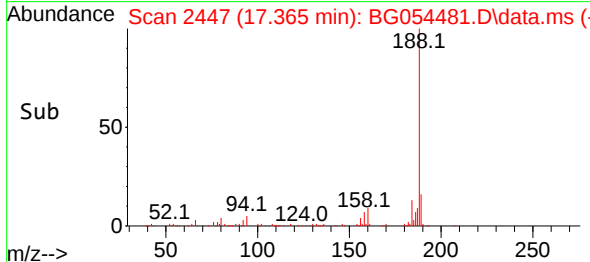
Instrument :
BNA_G
ClientSampleId :
RVE-71



Tgt Ion:188 Resp: 125447
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0
80 4.3 6.8 10.2

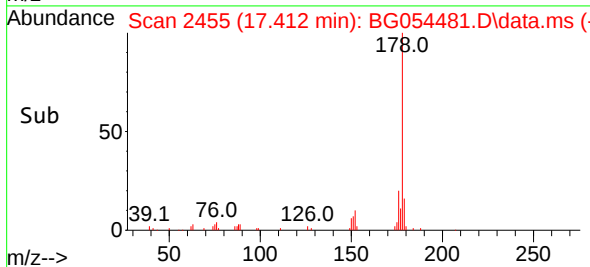
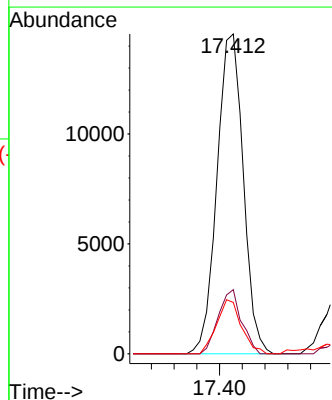
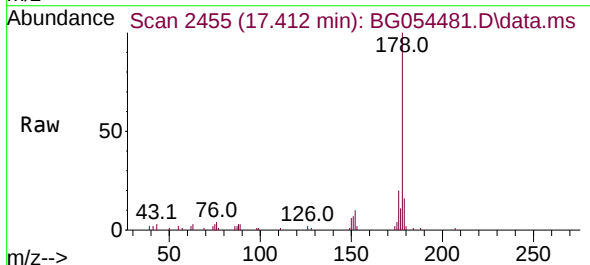
Manual Integrations
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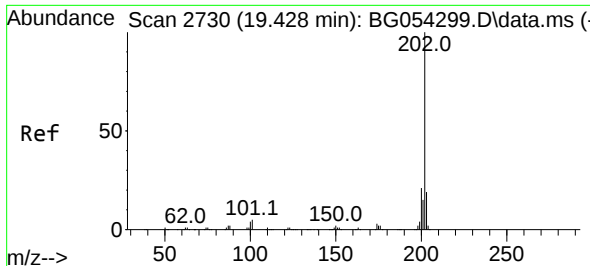
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#71
Phenanthrene
Concen: 3.733 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

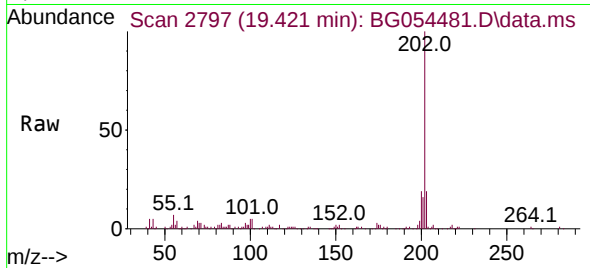
Tgt Ion:178 Resp: 23321
Ion Ratio Lower Upper
178 100
176 20.1 14.1 21.1
179 16.1 12.1 18.1





#75
Fluoranthene
Concen: 10.365 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

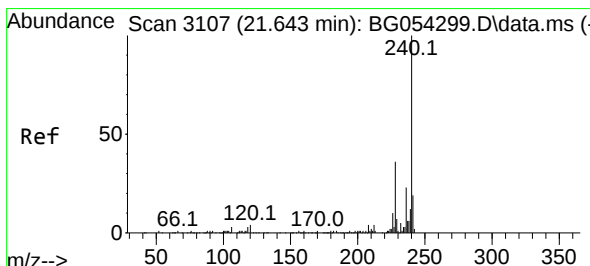
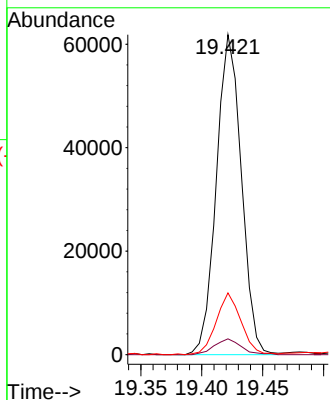
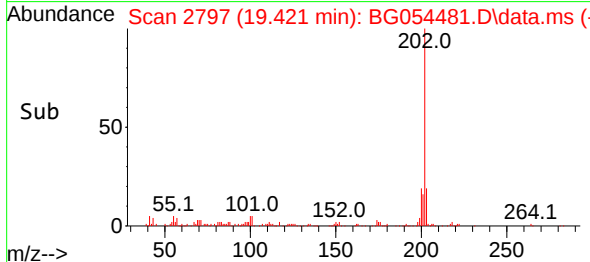
Instrument :
BNA_G
ClientSampleId :
RVE-71



Tgt Ion:202 Resp: 88270
Ion Ratio Lower Upper
202 100
101 4.9 0.0 26.9
203 19.3 0.0 37.2

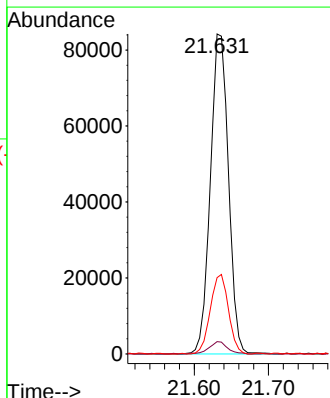
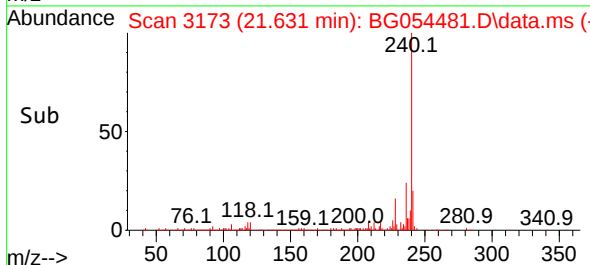
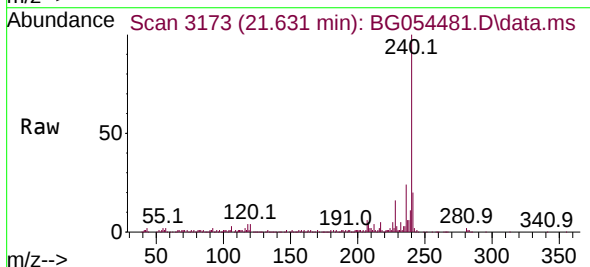
Manual Integrations
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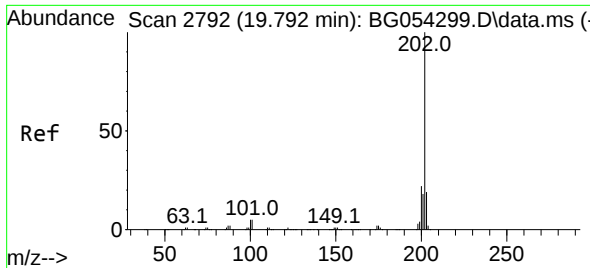
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:240 Resp: 142670
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 23.9 20.2 30.4





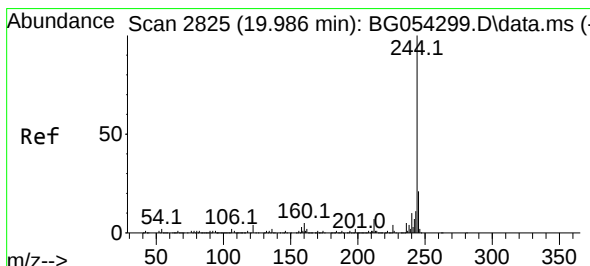
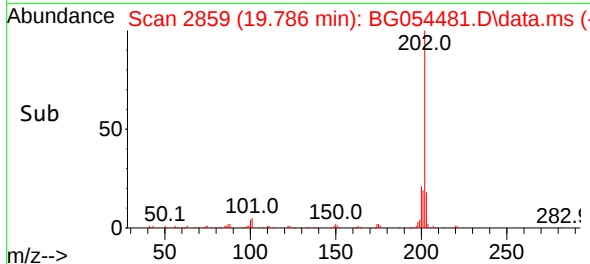
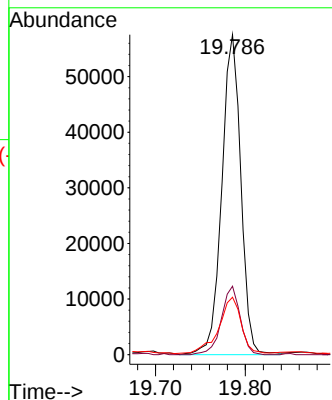
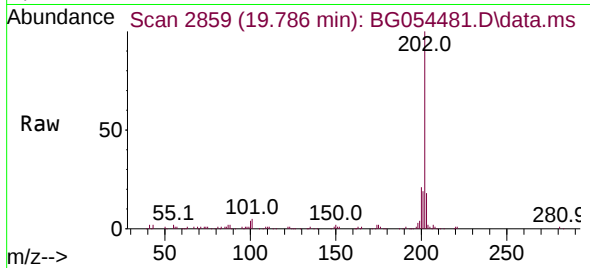
#78
Pyrene
Concen: 10.379 ng
RT: 19.786 min Scan# 2810
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Instrument :
BNA_G
ClientSampleId :
RVE-71

Tgt Ion:202 Resp: 84968
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 17.9 14.6 21.8

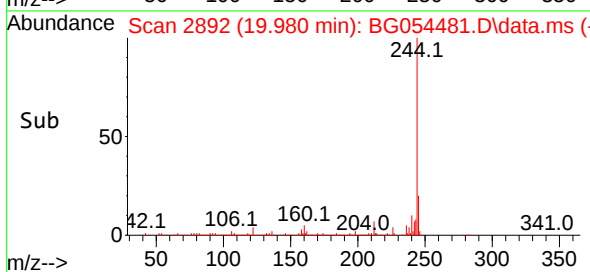
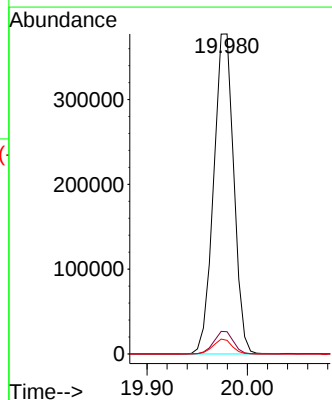
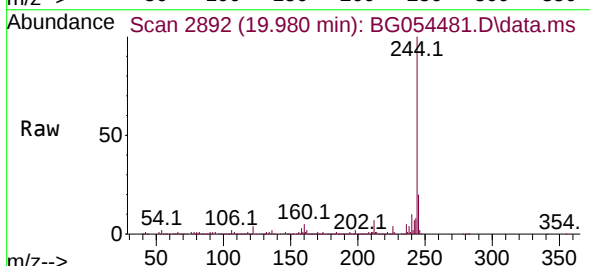
Manual Integrations
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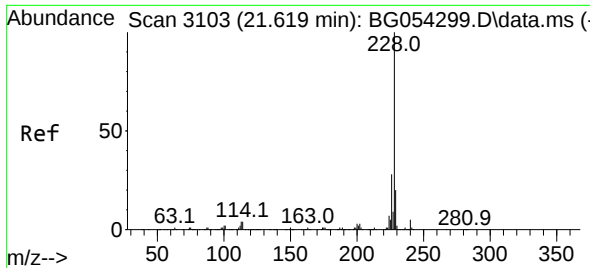
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#79
Terphenyl-d14
Concen: 73.243 ng
RT: 19.980 min Scan# 2892
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

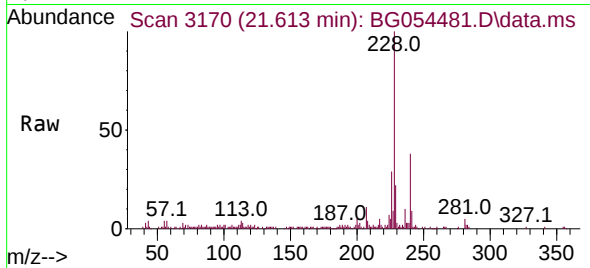
Tgt Ion:244 Resp: 526746
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 4.2 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 6.661 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

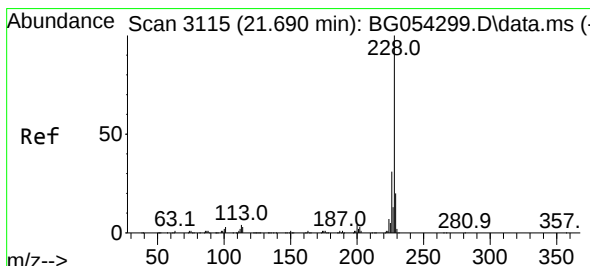
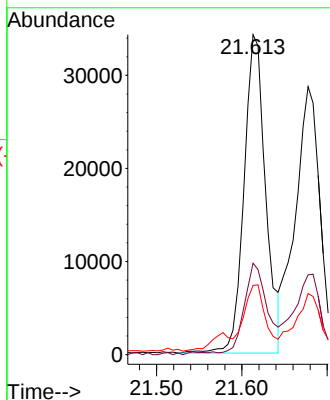
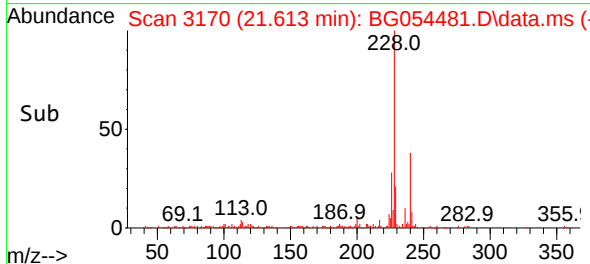
Instrument :
BNA_G
ClientSampleId :
RVE-71



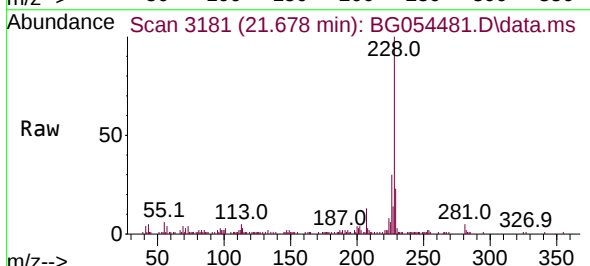
Tgt Ion:228 Resp: 60329
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 21.6 16.2 24.2

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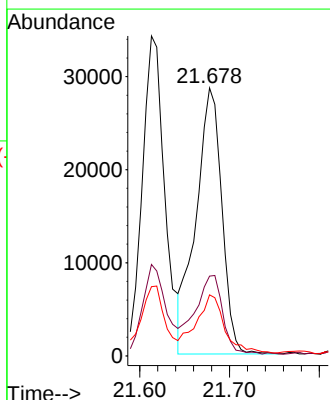
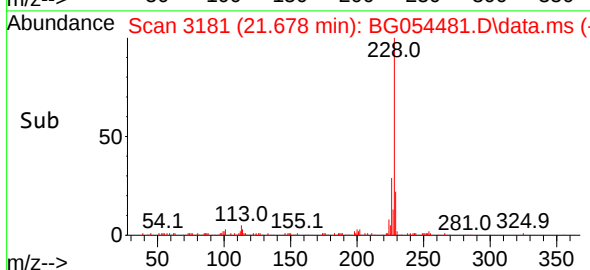
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

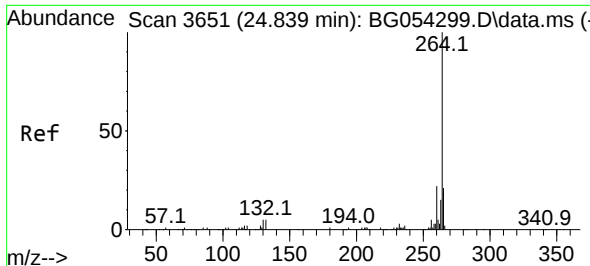


#83
Chrysene
Concen: 6.755 ng
RT: 21.678 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21



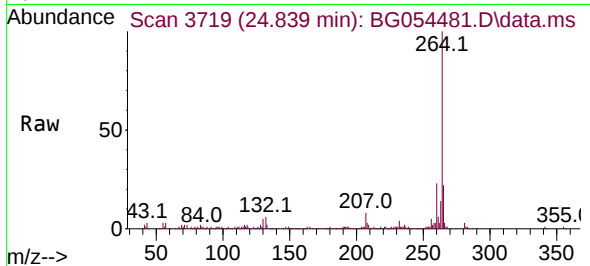
Tgt Ion:228 Resp: 57797
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 22.8 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.839 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

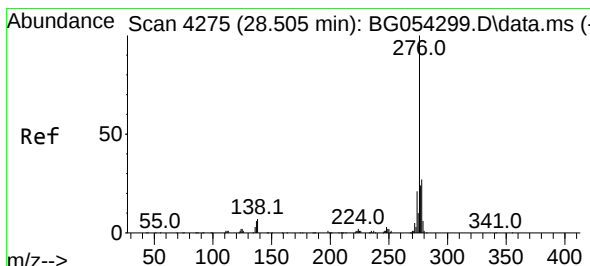
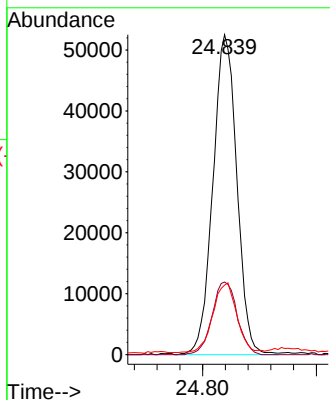
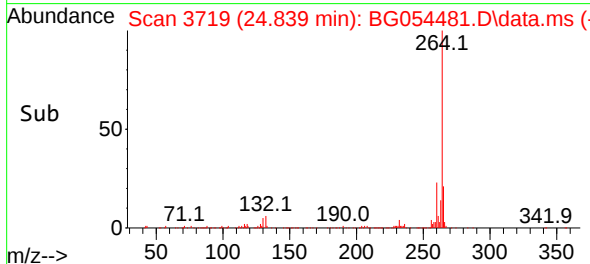
Instrument :
BNA_G
ClientSampleId :
RVE-71



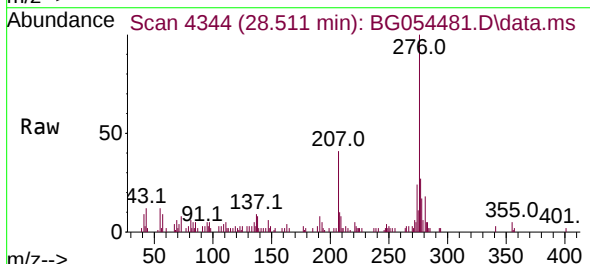
Tgt Ion:264 Resp: 152985
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 21.7 17.4 26.2

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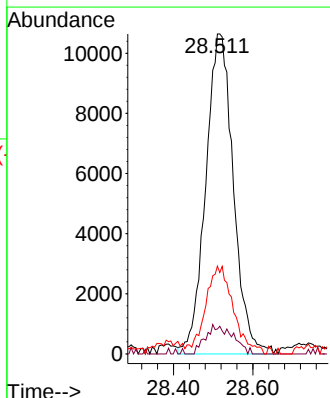
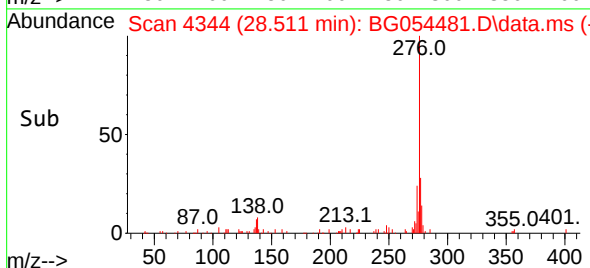
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

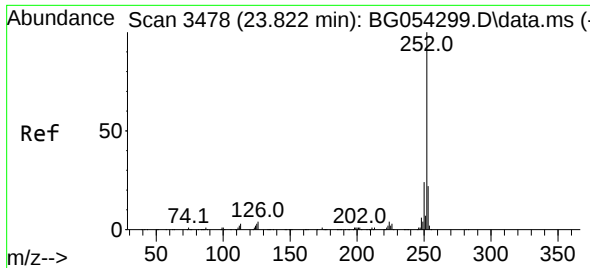


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.433 ng
RT: 28.511 min Scan# 4344
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21



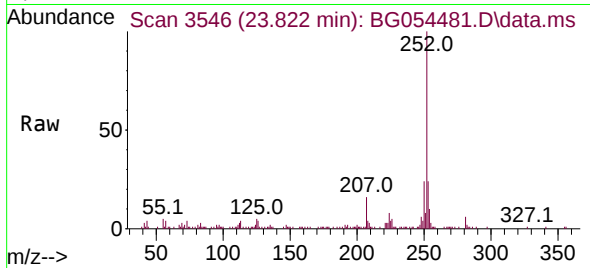
Tgt Ion:276 Resp: 51590
Ion Ratio Lower Upper
276 100
138 5.6 5.0 7.4
277 27.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 10.771 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

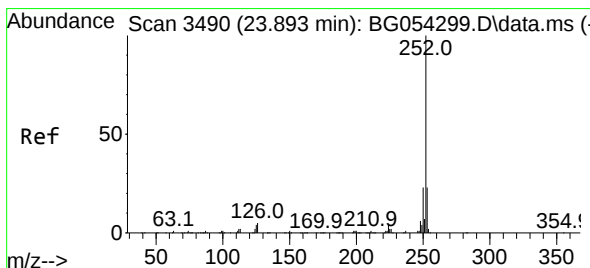
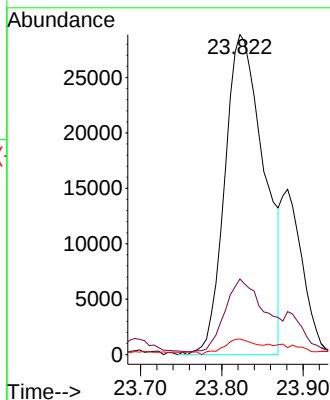
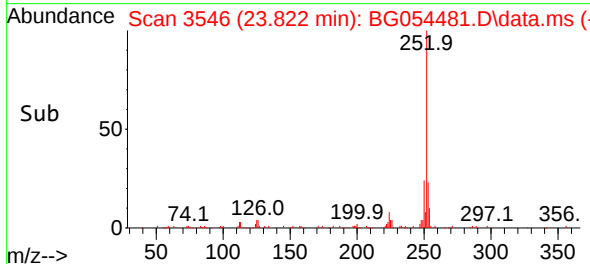
Instrument :
BNA_G
ClientSampleId :
RVE-71



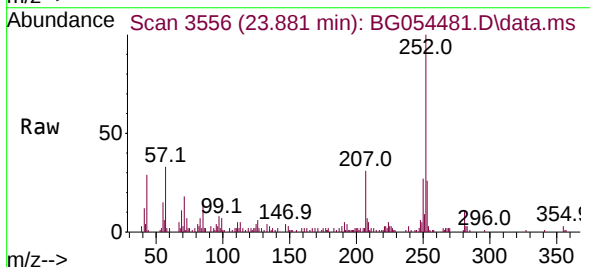
Tgt Ion:252 Resp: 97453
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 4.9 4.6 6.8

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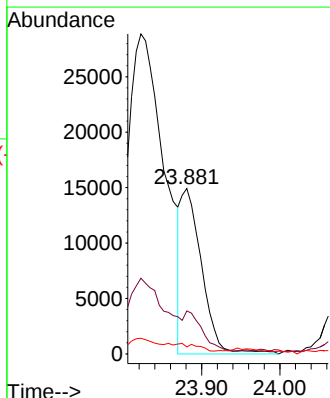
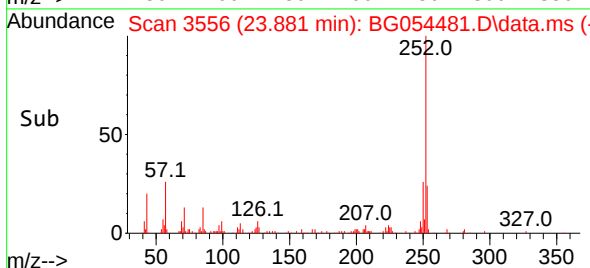
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

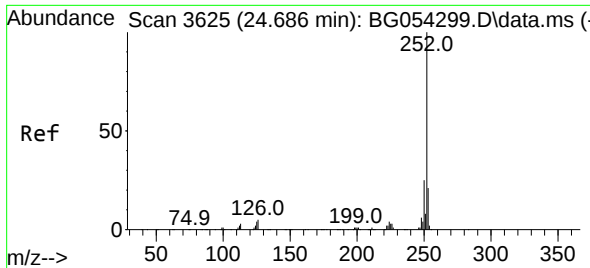


#89
Benzo(k)fluoranthene
Concen: 3.076 ng m
RT: 23.881 min Scan# 3556
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21



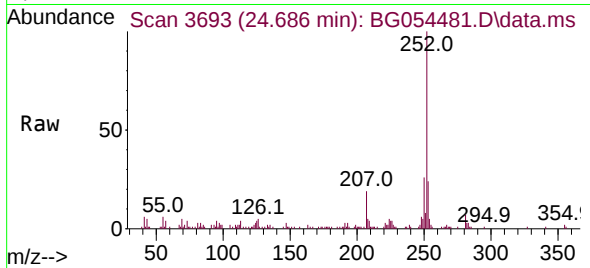
Tgt Ion:252 Resp: 27699
Ion Ratio Lower Upper
252 100
253 25.9 18.4 27.6
125 4.2 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 8.109 ng
RT: 24.686 min Scan# 3625
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

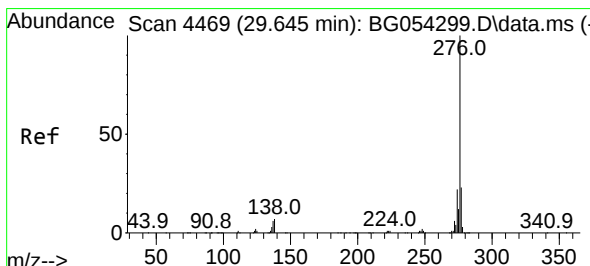
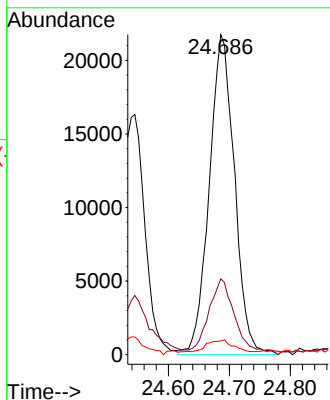
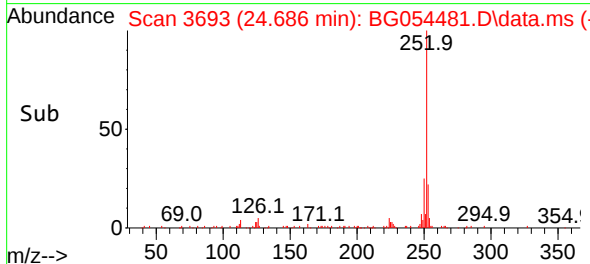
Instrument :
BNA_G
ClientSampleId :
RVE-71



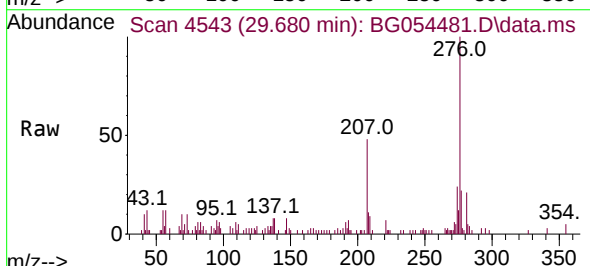
Tgt Ion:252 Resp: 6265
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.3 4.3 6.5

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 5.148 ng
RT: 29.680 min Scan# 4543
Delta R.T. 0.017 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21



Tgt Ion:276 Resp: 48627
Ion Ratio Lower Upper
276 100
277 22.5 17.3 25.9
138 8.4 9.6 14.4

