

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054362.D
 Acq On : 22 Jul 2022 16:32
 Operator : CG/JU
 Sample : N3814-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(10-15)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/25/2022
 Supervised By : Jagrut Upadhyay 07/25/2022

Quant Time: Jul 23 00:11:47 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	7.991	152	15662	20.000	ng	0.00
21) Naphthalene-d8	10.800	136	58329	20.000	ng	# 0.00
39) Acenaphthene-d10	14.630	164	49431	20.000	ng	0.00
64) Phenanthrene-d10	17.374	188	143616	20.000	ng	# 0.00
76) Chrysene-d12	21.640	240	171165	20.000	ng	# 0.00
86) Perylene-d12	24.842	264	180553	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	69222	92.279	ng	0.00
7) Phenol-d6	7.174	99	91389	88.911	ng	0.00
23) Nitrobenzene-d5	9.154	82	60657	56.630	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	101949	98.229	ng	0.00
45) 2-Fluorobiphenyl	13.250	172	191592	54.678	ng	0.00
79) Terphenyl-d14	19.983	244	498727	57.802	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.852	128	7693	2.627	ng	96
71) Phenanthrene	17.415	178	85109	11.900	ng	98
72) Anthracene	17.503	178	20897	2.977	ng	100
75) Fluoranthene	19.425	202	144455	14.817	ng	94
78) Pyrene	19.789	202	134540	13.699	ng	99
81) Benzo(a)anthracene	21.616	228	78542	7.229	ng	97
83) Chrysene	21.681	228	68955	6.717	ng	97
87) Indeno(1,2,3-cd)pyrene	28.491	276	40313	2.935	ng	# 97
88) Benzo(b)fluoranthene	23.831	252	78341	7.337	ng	# 99
89) Benzo(k)fluoranthene	23.878	252	33839m	3.184	ng	
90) Benzo(a)pyrene	24.683	252	64379m	7.060	ng	
92) Benzo(g,h,i)perylene	29.642	276	36144	3.242	ng	# 92

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

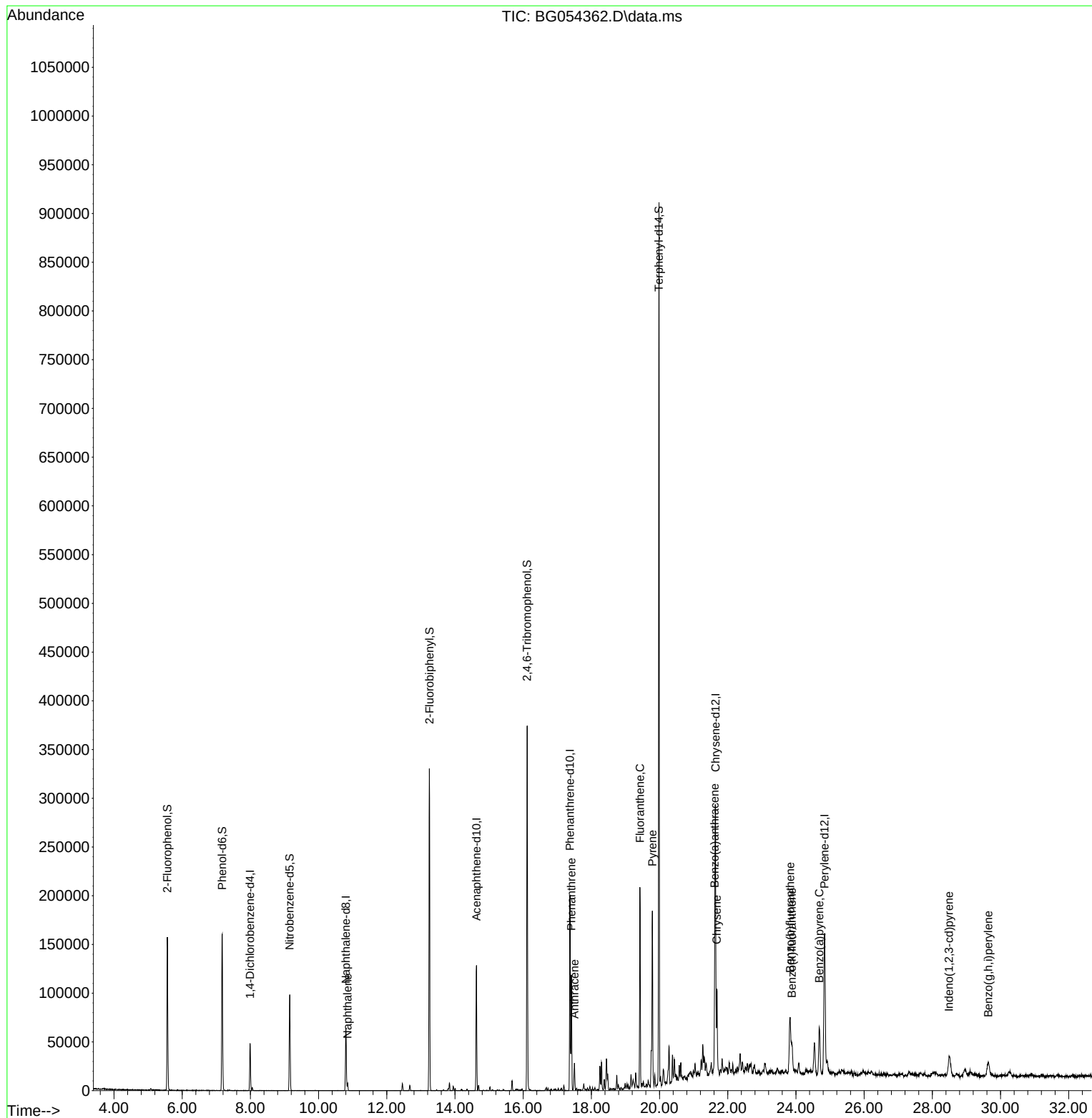
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054362.D
Acq On : 22 Jul 2022 16:32
Operator : CG/JU
Sample : N3814-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

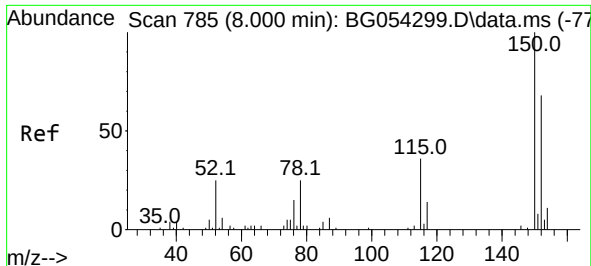
Instrument :
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ENV-DE-3(10-15)

Quant Time: Jul 23 00:11:47 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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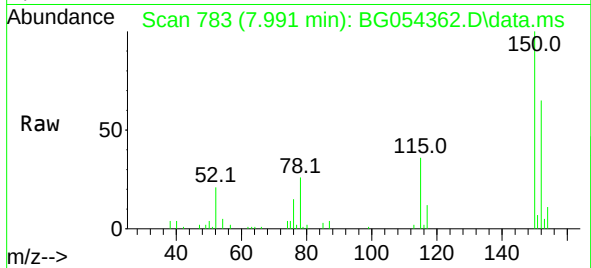
Reviewed By : Christian Giraldo 07/25/2022
Supervised By : Jagrut Upadhyay 07/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.991 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

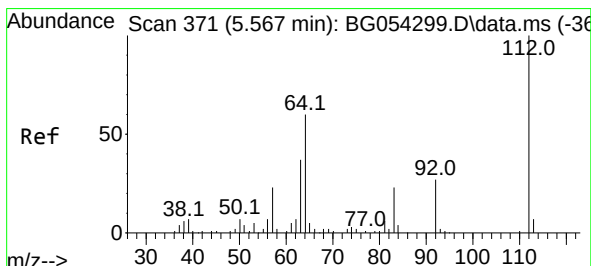
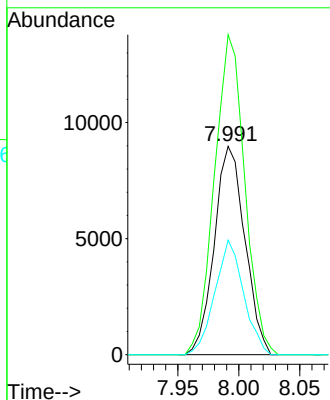
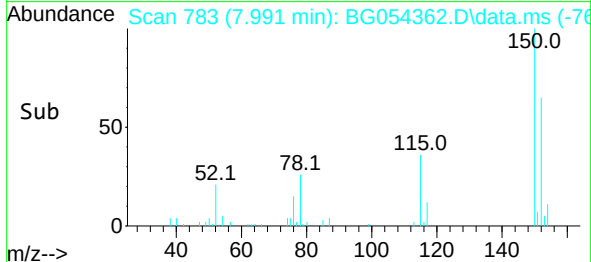
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(10-15)



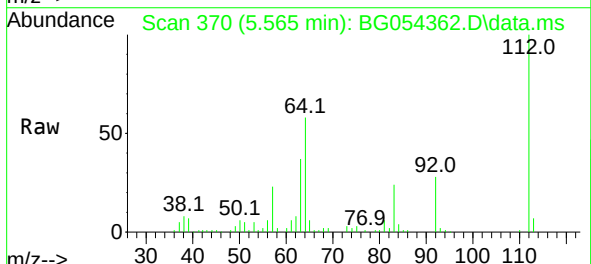
Tgt Ion:152 Resp: 1566
Ion Ratio Lower Upper
152 100
150 153.6 131.6 197.4
115 55.0 50.9 76.3

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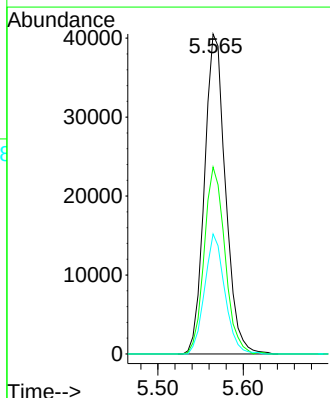
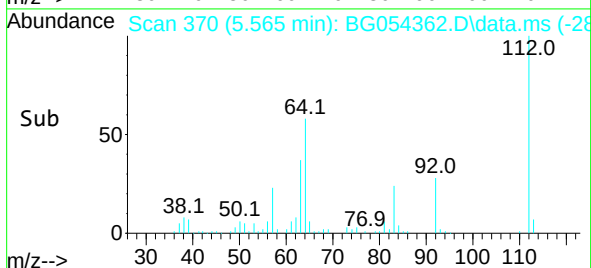
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

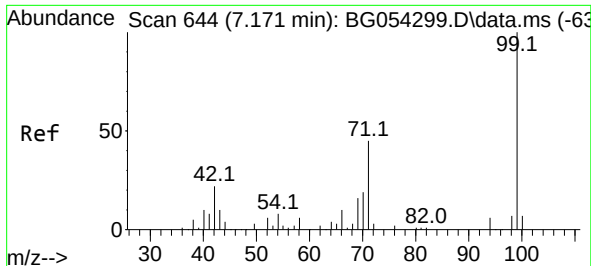


#5
2-Fluorophenol
Concen: 92.279 ng
RT: 5.565 min Scan# 370
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32



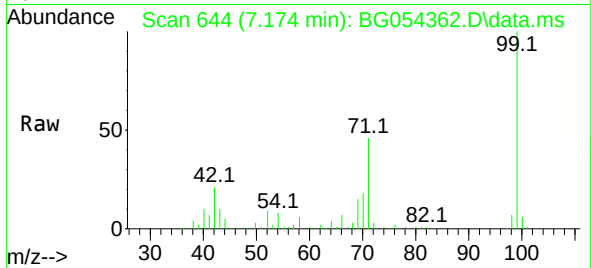
Tgt Ion:112 Resp: 69222
Ion Ratio Lower Upper
112 100
64 58.4 55.1 82.7
63 37.5 30.4 45.6





#7
Phenol-d6
Concen: 88.911 ng
RT: 7.174 min Scan# 644
Delta R.T. 0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

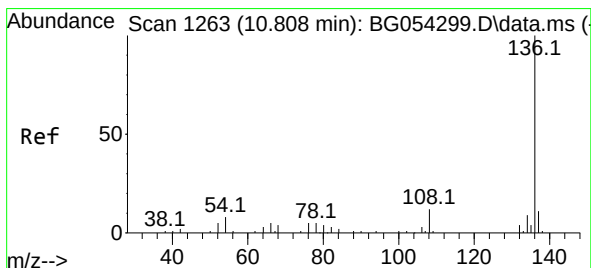
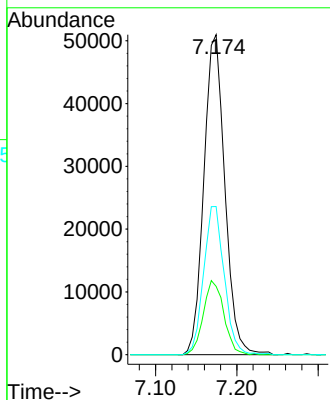
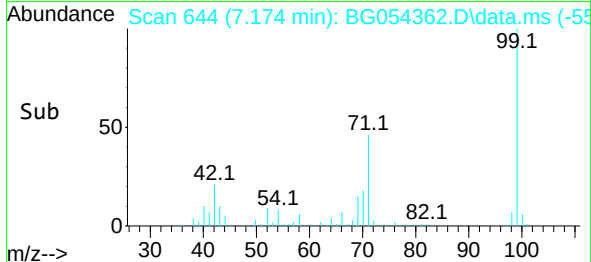
Instrument :
BNA_G
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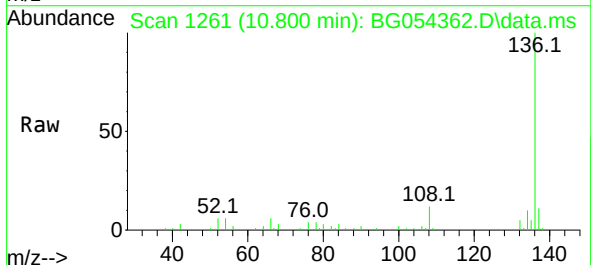
Tgt Ion: 99 Resp: 91389
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 46.3 33.8 50.8

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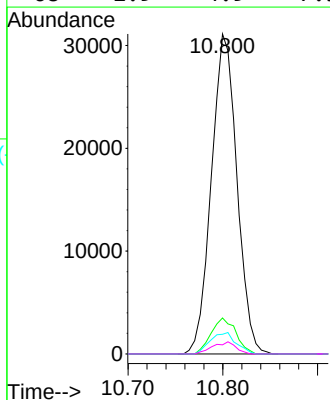
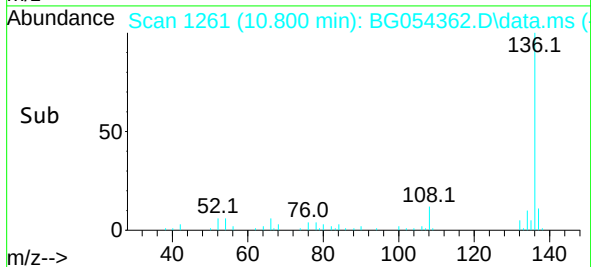
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

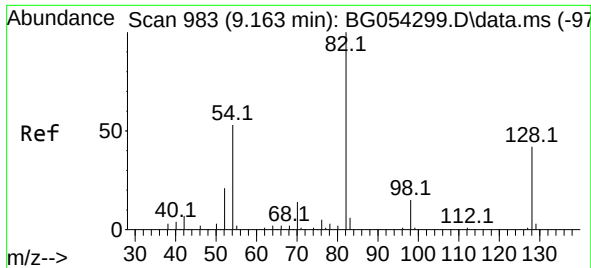


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.800 min Scan# 1261
Delta R.T. -0.008 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32



Tgt Ion:136 Resp: 58329
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 6.2 7.4 11.2#
68 2.9 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 56.630 ng
RT: 9.154 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

Instrument :

BNA_G

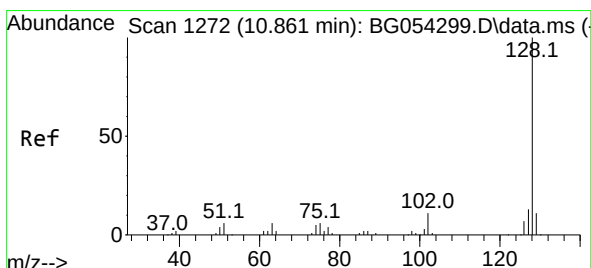
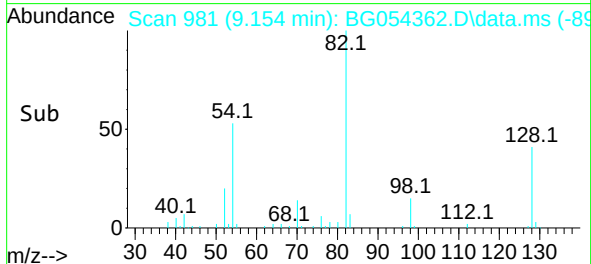
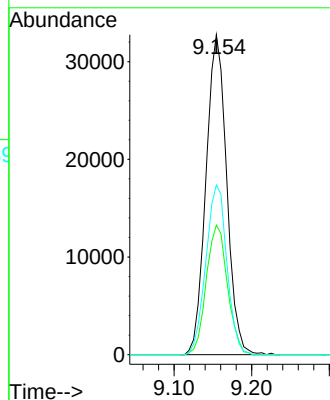
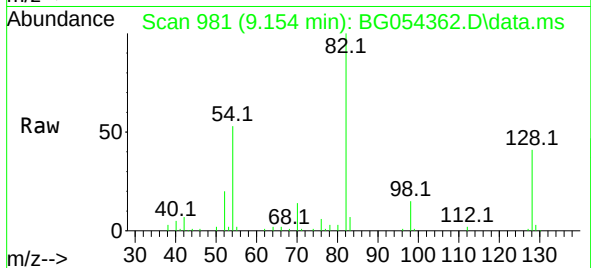
ClientSampleId :

ENV-DE-3(10-15)

Tgt Ion: 82 Resp: 6065
Ion Ratio Lower Upper
82 100
128 40.5 27.9 41.9
54 53.1 41.2 61.8

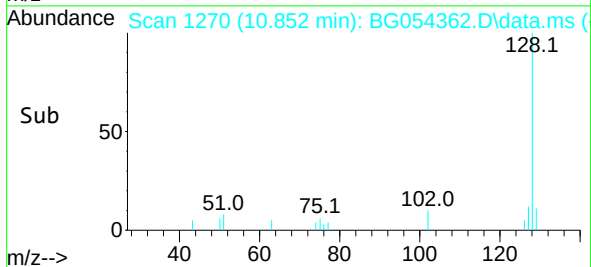
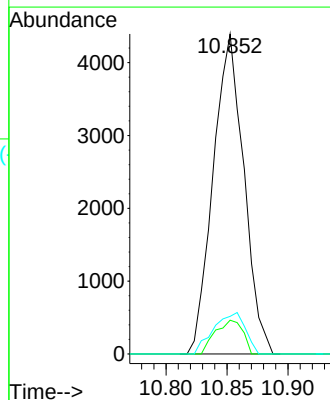
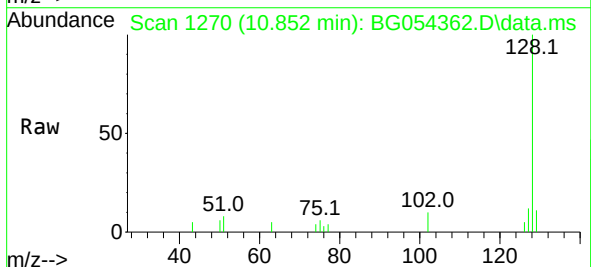
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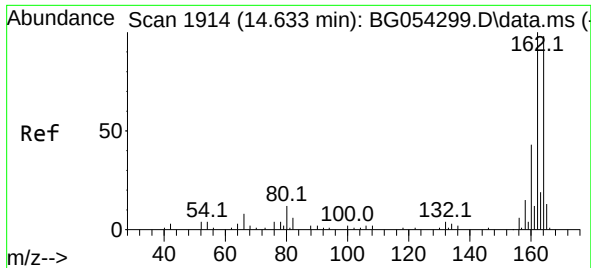
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#31
Naphthalene
Concen: 2.627 ng
RT: 10.852 min Scan# 1270
Delta R.T. -0.009 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

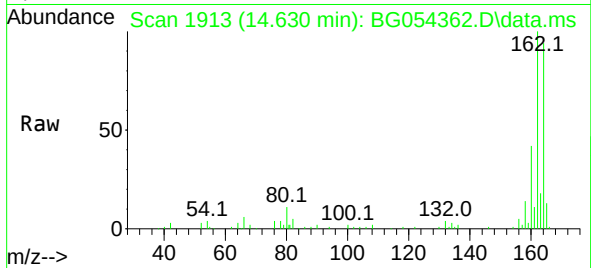
Tgt Ion:128 Resp: 7693
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 11.7 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.630 min Scan# 1914
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

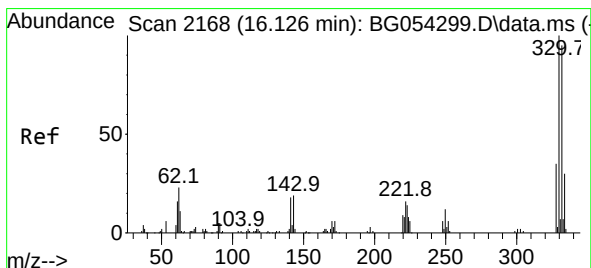
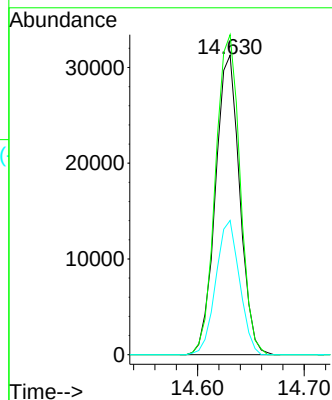
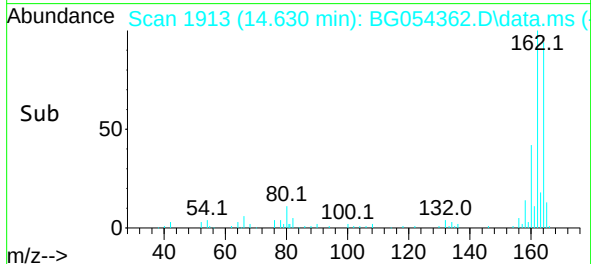
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(10-15)



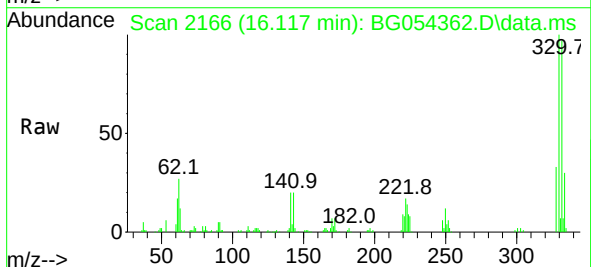
Tgt Ion:164 Resp: 4943
Ion Ratio Lower Upper
164 100
162 106.9 82.3 123.5
160 44.8 34.2 51.2

Manual Integrations
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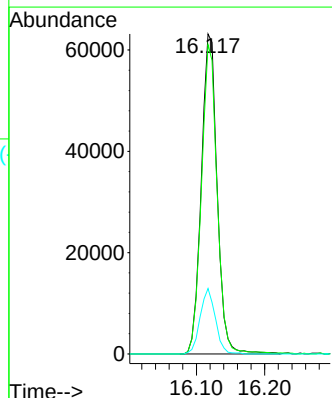
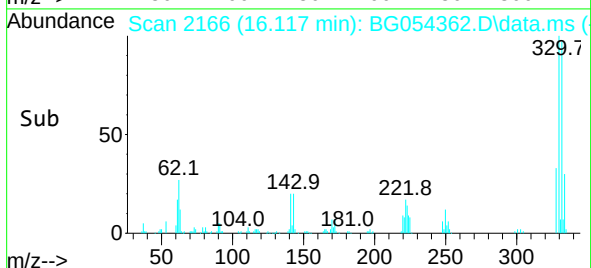
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

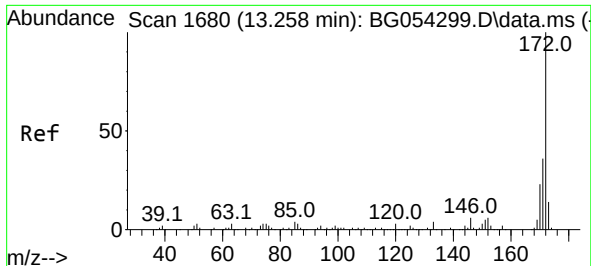


#42
2,4,6-Tribromophenol
Concen: 98.229 ng
RT: 16.117 min Scan# 2166
Delta R.T. -0.009 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32



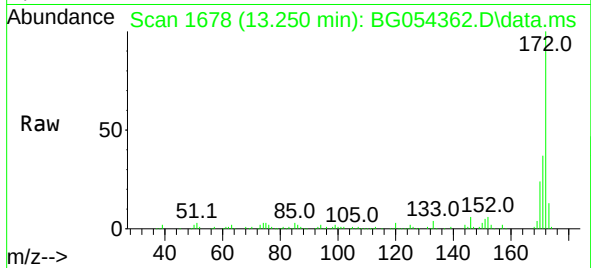
Tgt Ion:330 Resp: 101949
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 19.6 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 54.678 ng
RT: 13.250 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

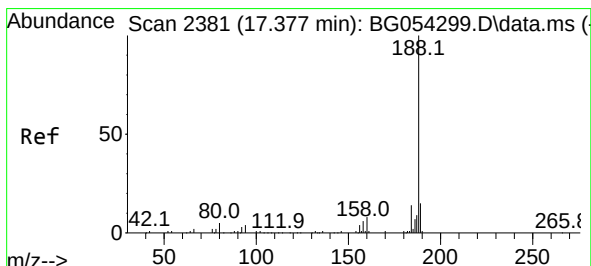
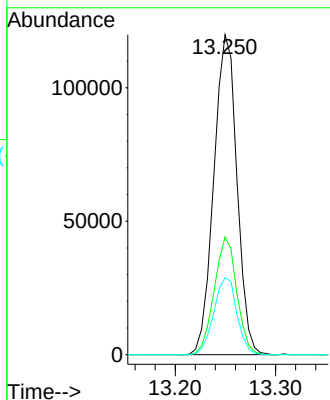
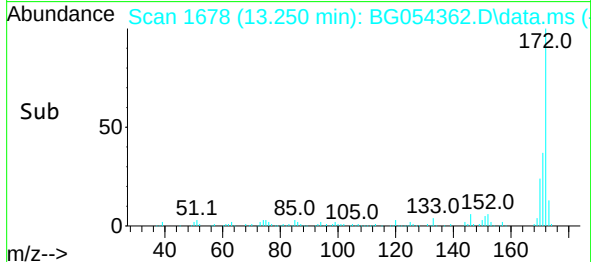
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ENV-DE-3(10-15)



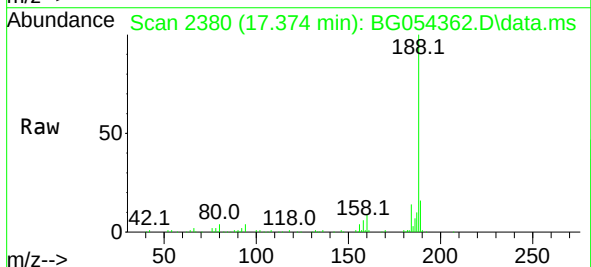
Tgt Ion:172 Resp: 191592
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 24.1 18.9 28.3

Manual Integrations
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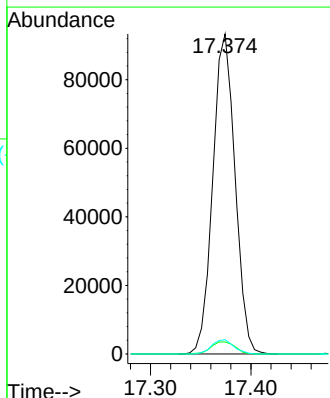
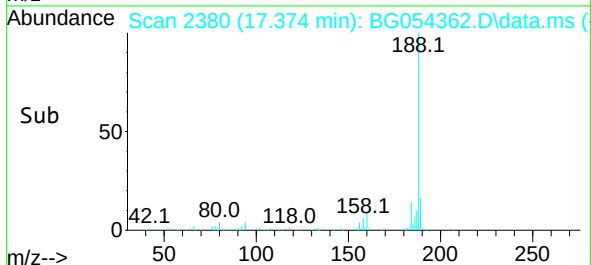
Reviewed By :Christian Giraldo 07/25/2022
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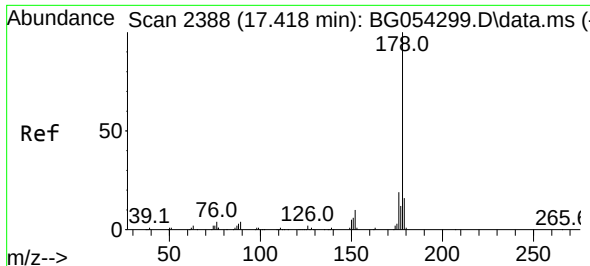


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.374 min Scan# 2380
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32



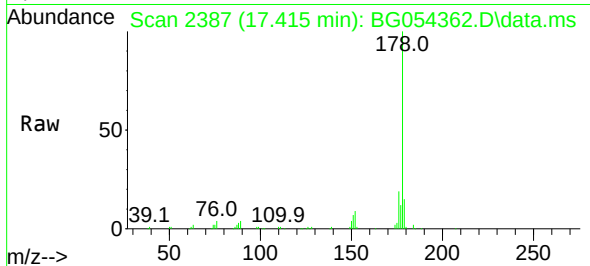
Tgt Ion:188 Resp: 143616
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0#
80 4.4 6.8 10.2#





#71
Phenanthrene
Concen: 11.900 ng
RT: 17.415 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

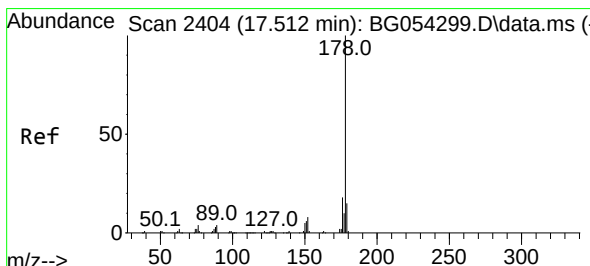
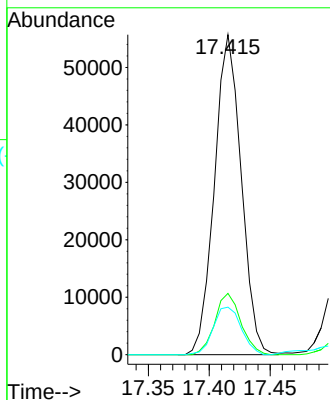
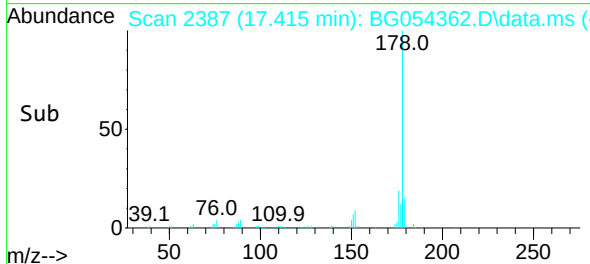
Instrument :
BNA_G
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ENV-DE-3(10-15)



Tgt Ion:178 Resp: 85109
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 14.9 12.1 18.1

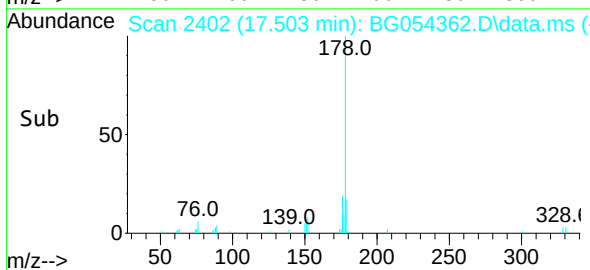
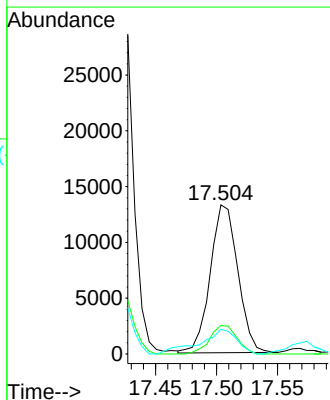
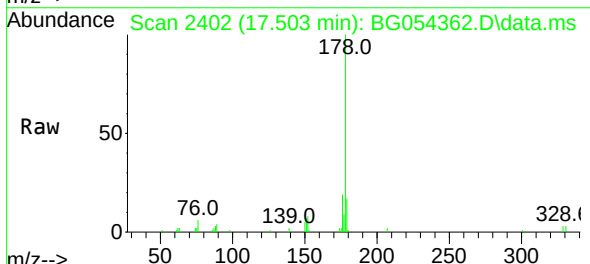
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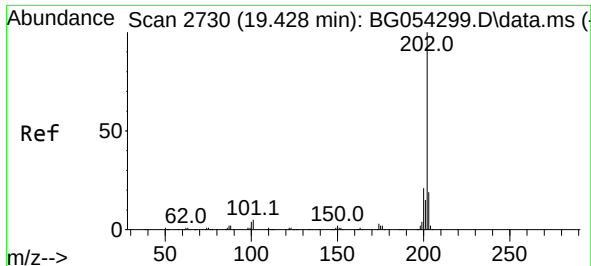
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#72
Anthracene
Concen: 2.977 ng
RT: 17.503 min Scan# 2402
Delta R.T. -0.009 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

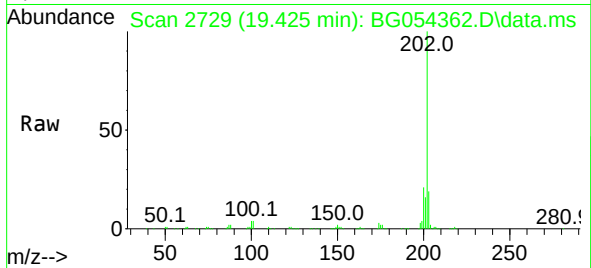
Tgt Ion:178 Resp: 20897
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 16.6 13.0 19.4





#75
Fluoranthene
Concen: 14.817 ng
RT: 19.425 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

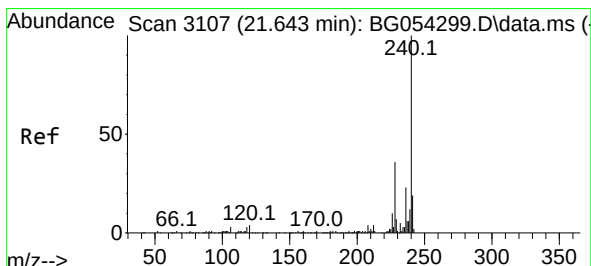
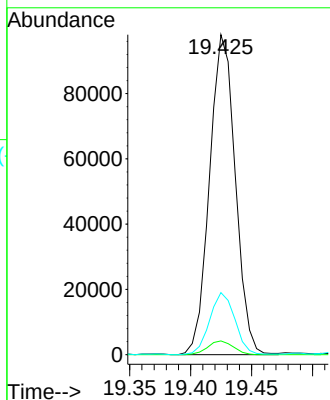
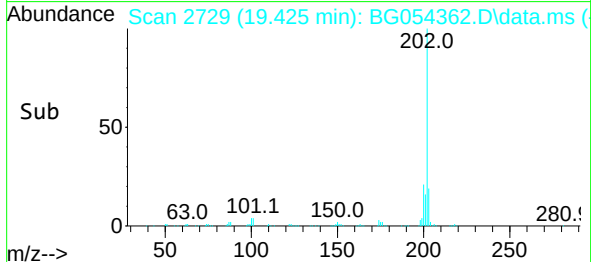
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(10-15)



Tgt Ion:202 Resp: 14445
Ion Ratio Lower Upper
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101 4.3 0.0 26.9
203 19.4 0.0 37.2

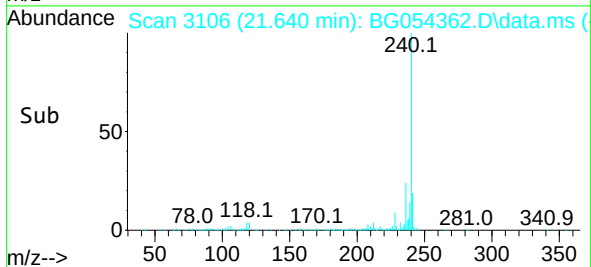
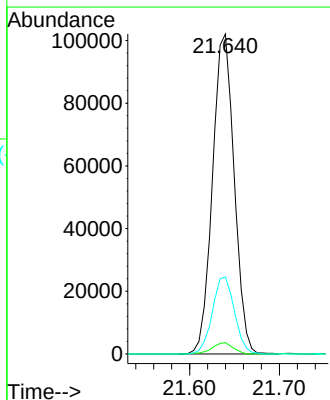
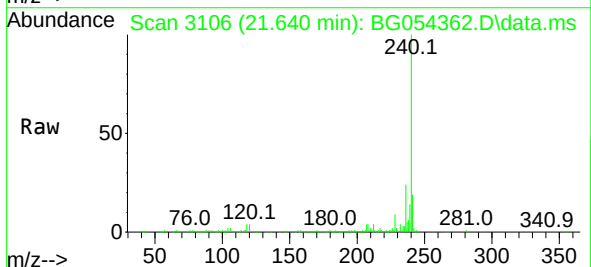
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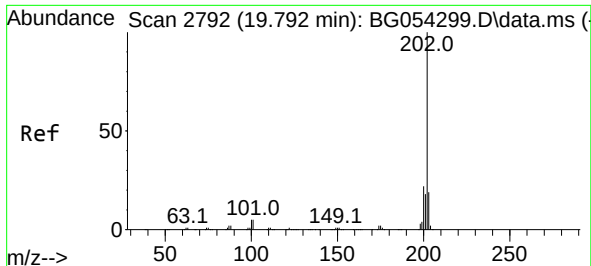
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.640 min Scan# 3106
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

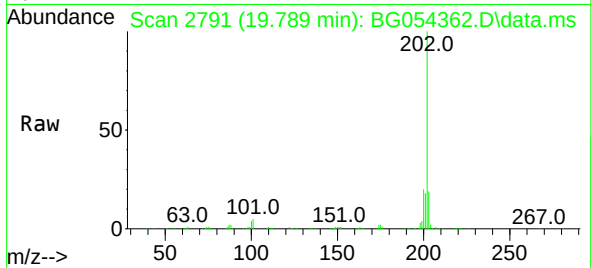
Tgt Ion:240 Resp: 171165
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.0 20.2 30.4





#78
Pyrene
Concen: 13.699 ng
RT: 19.789 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

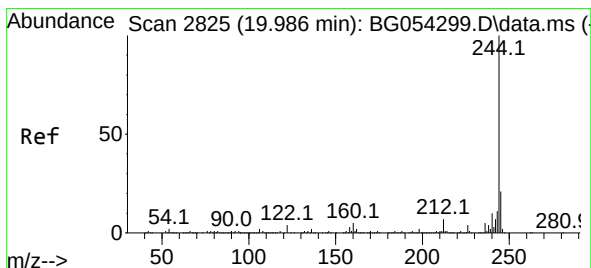
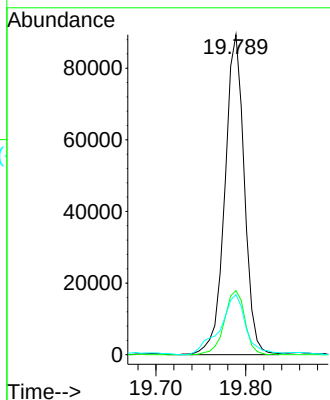
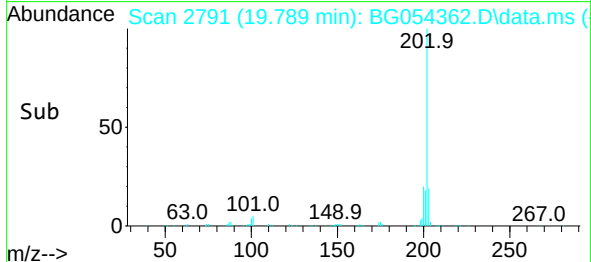
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(10-15)



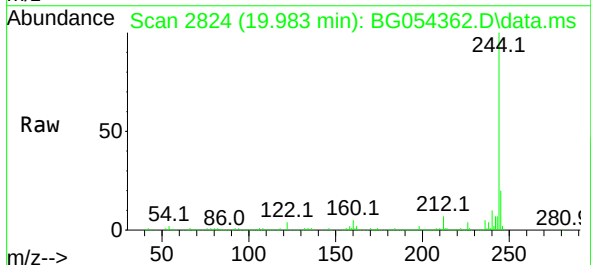
Tgt Ion:202 Resp: 134540
Ion Ratio Lower Upper
202 100
200 20.0 16.6 24.8
203 18.8 14.6 21.8

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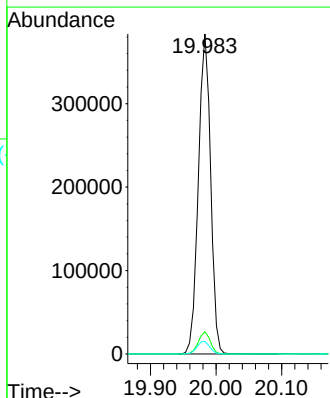
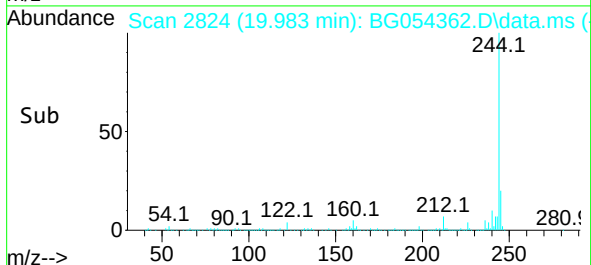
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

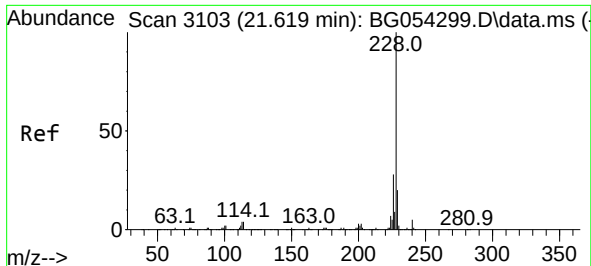


#79
Terphenyl-d14
Concen: 57.802 ng
RT: 19.983 min Scan# 2824
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32



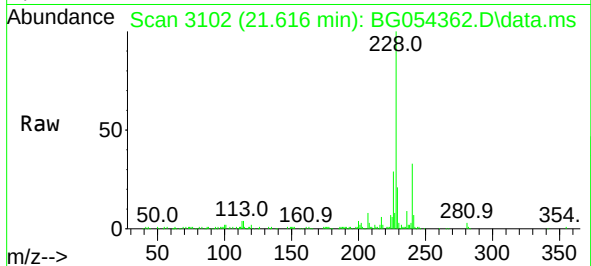
Tgt Ion:244 Resp: 498727
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 3.9 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 7.229 ng
RT: 21.616 min Scan# 3102
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

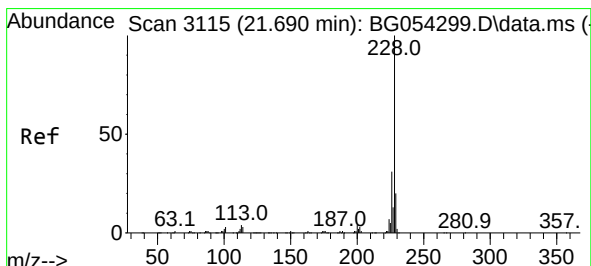
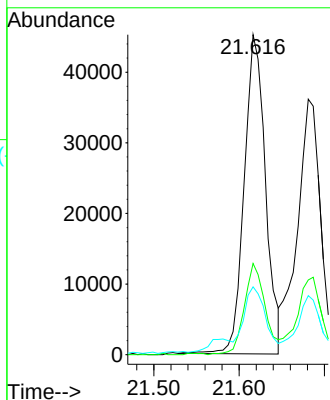
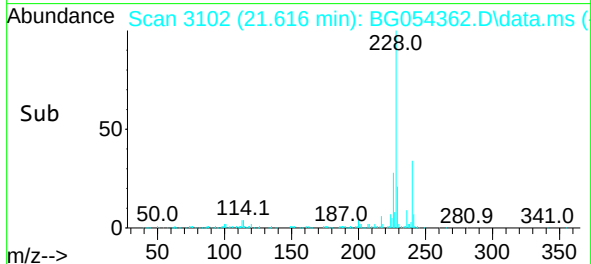
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(10-15)



Tgt Ion:228 Resp: 7854
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 21.2 16.2 24.2

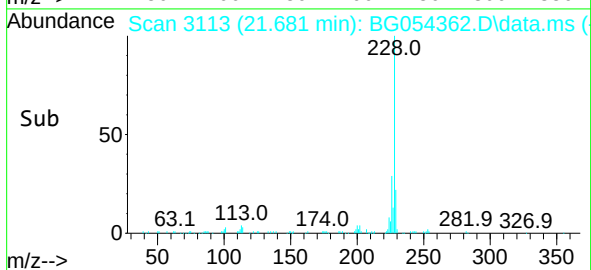
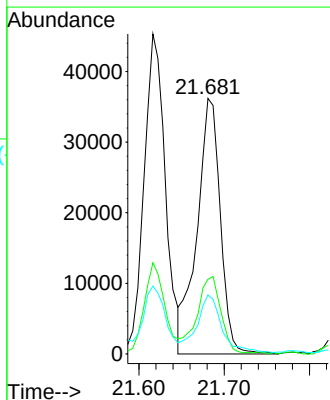
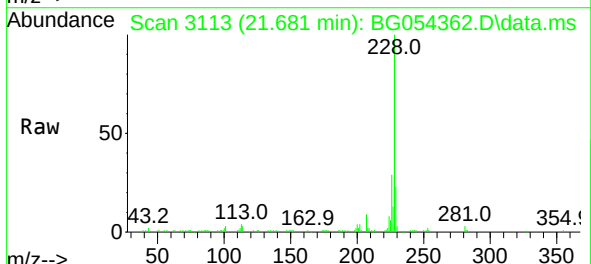
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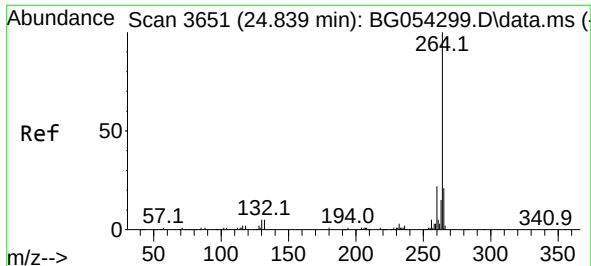
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#83
Chrysene
Concen: 6.717 ng
RT: 21.681 min Scan# 3113
Delta R.T. -0.009 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

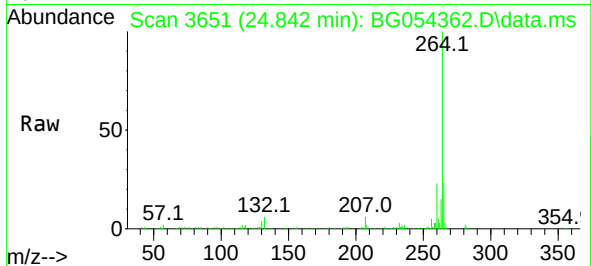
Tgt Ion:228 Resp: 68955
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 23.1 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.842 min Scan# 3651
 Delta R.T. 0.003 min
 Lab File: BG054362.D
 Acq: 22 Jul 2022 16:32

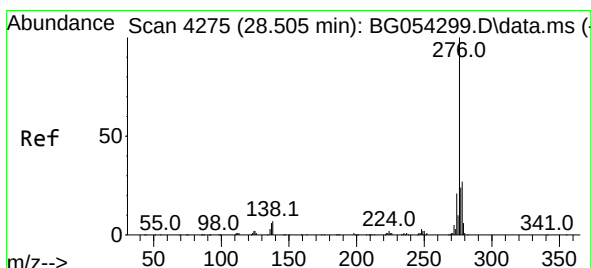
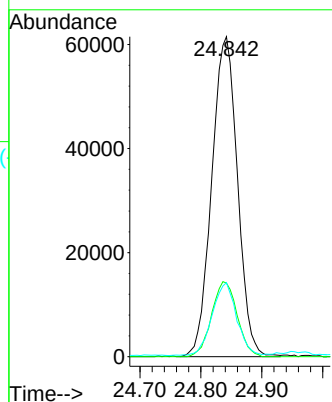
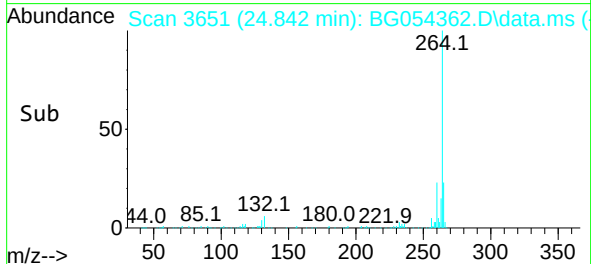
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(10-15)



Tgt Ion:264 Resp: 18055
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.6
 265 23.2 17.4 26.2

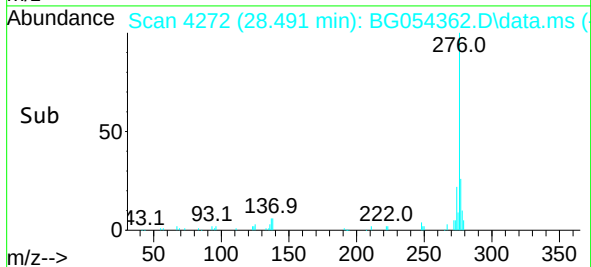
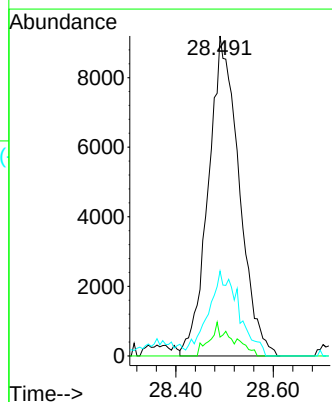
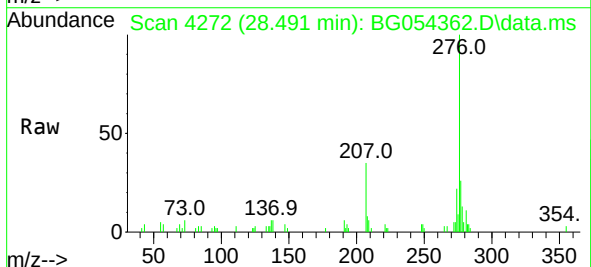
Manual Integrations
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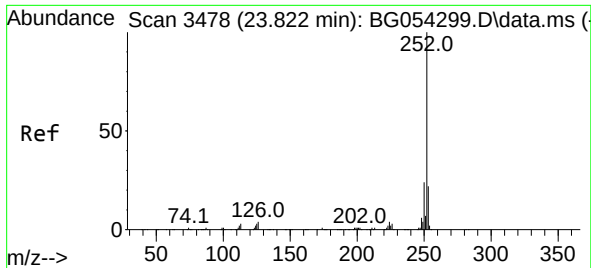
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.935 ng
 RT: 28.491 min Scan# 4272
 Delta R.T. -0.015 min
 Lab File: BG054362.D
 Acq: 22 Jul 2022 16:32

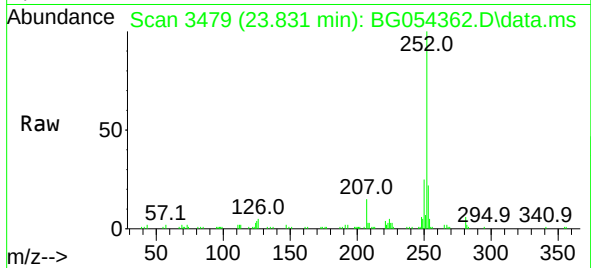
Tgt Ion:276 Resp: 40313
 Ion Ratio Lower Upper
 276 100
 138 4.1 5.0 7.4#
 277 26.6 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 7.337 ng
RT: 23.831 min Scan# 3478
Delta R.T. 0.009 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

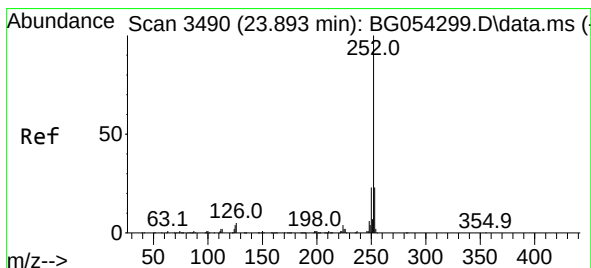
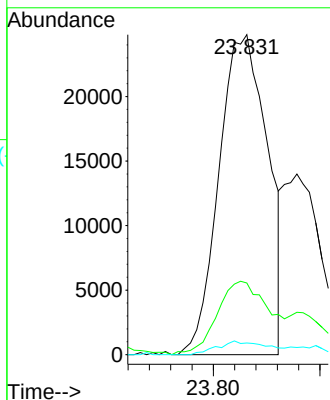
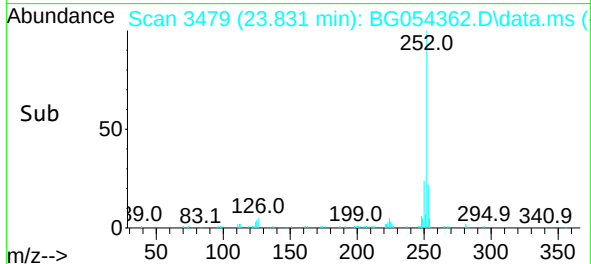
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(10-15)



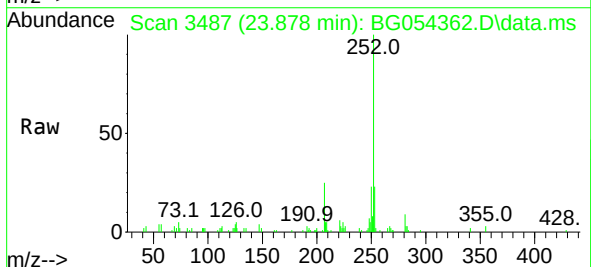
Tgt Ion:252 Resp: 7834
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 3.6 4.6 6.8

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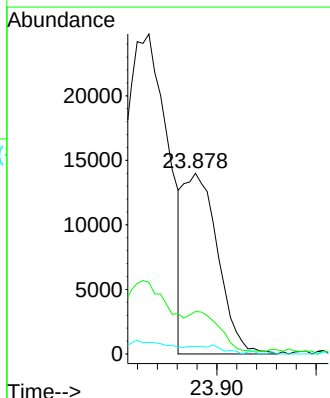
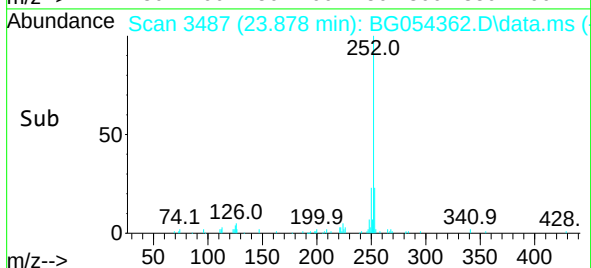
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

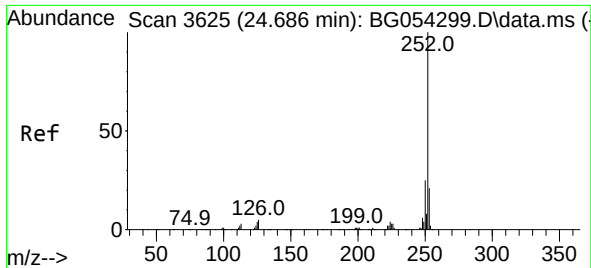


#89
Benzo(k)fluoranthene
Concen: 3.184 ng m
RT: 23.878 min Scan# 3487
Delta R.T. -0.015 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32



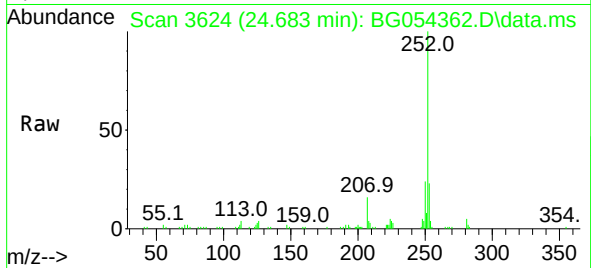
Tgt Ion:252 Resp: 33839
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 4.0 4.8 7.2





#90
Benzo(a)pyrene
Concen: 7.060 ng m
RT: 24.683 min Scan# 3625
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32

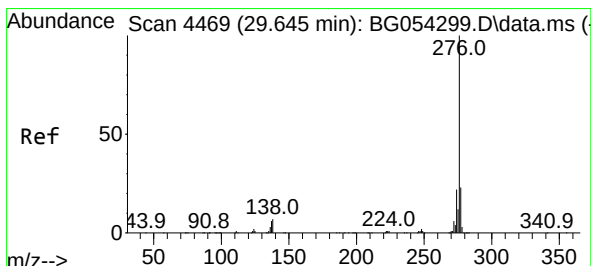
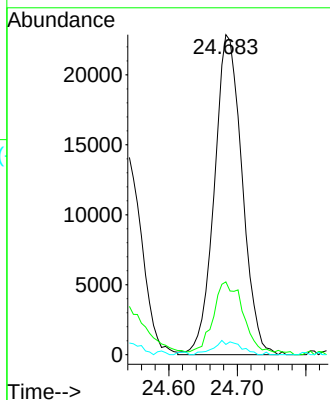
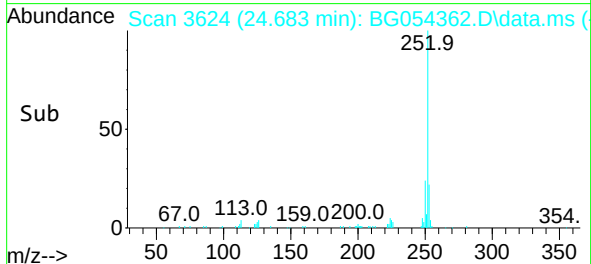
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(10-15)



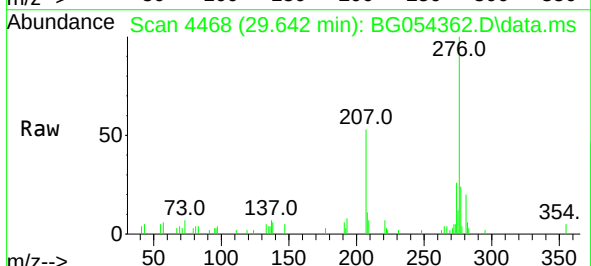
Tgt Ion:252 Resp: 64379
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 3.2 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#92
Benzo(g,h,i)perylene
Concen: 3.242 ng
RT: 29.642 min Scan# 4468
Delta R.T. -0.003 min
Lab File: BG054362.D
Acq: 22 Jul 2022 16:32



Tgt Ion:276 Resp: 36144
Ion Ratio Lower Upper
276 100
277 23.9 17.3 25.9
138 6.2 9.6 14.4#

