

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053068.D
 Acq On : 6 Apr 2022 23:38
 Operator : CG/JU
 Sample : N2275-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-040522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 07 04:11:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	39961	20.000	ng	0.00
21) Naphthalene-d8	10.947	136	150114	20.000	ng	0.00
39) Acenaphthene-d10	14.754	164	100373	20.000	ng	0.00
64) Phenanthrene-d10	17.491	188	210046	20.000	ng	0.00
76) Chrysene-d12	21.780	240	190195	20.000	ng	0.00
86) Perylene-d12	25.099	264	196865	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	23201	10.111	ng	0.01
7) Phenol-d6	7.288	99	34409	9.947	ng	0.00
23) Nitrobenzene-d5	9.291	82	23933	8.002	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	13946	10.340	ng	0.00
45) 2-Fluorobiphenyl	13.374	172	50845	7.471	ng	0.00
79) Terphenyl-d14	20.094	244	73028	6.830	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.794	166	19680	2.619	ng	# 98
71) Phenanthrene	17.538	178	179020	15.931	ng	98
72) Anthracene	17.627	178	41005	3.691	ng	97
75) Fluoranthene	19.542	202	271486	19.033	ng	98
78) Pyrene	19.906	202	284587	21.571	ng	98
81) Benzo(a)anthracene	21.762	228	120066	9.428	ng	95
83) Chrysene	21.827	228	108798	9.087	ng	98
87) Indeno(1,2,3-cd)pyrene	28.882	276	44774	3.323	ng	# 83
88) Benzo(b)fluoranthene	24.047	252	114587	9.374	ng	# 91
89) Benzo(k)fluoranthene	24.094	252	36432m	3.029	ng	
90) Benzo(a)pyrene	24.940	252	98714	9.541	ng	98
92) Benzo(g,h,i)perylene	30.069	276	36318	3.306	ng	# 93

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

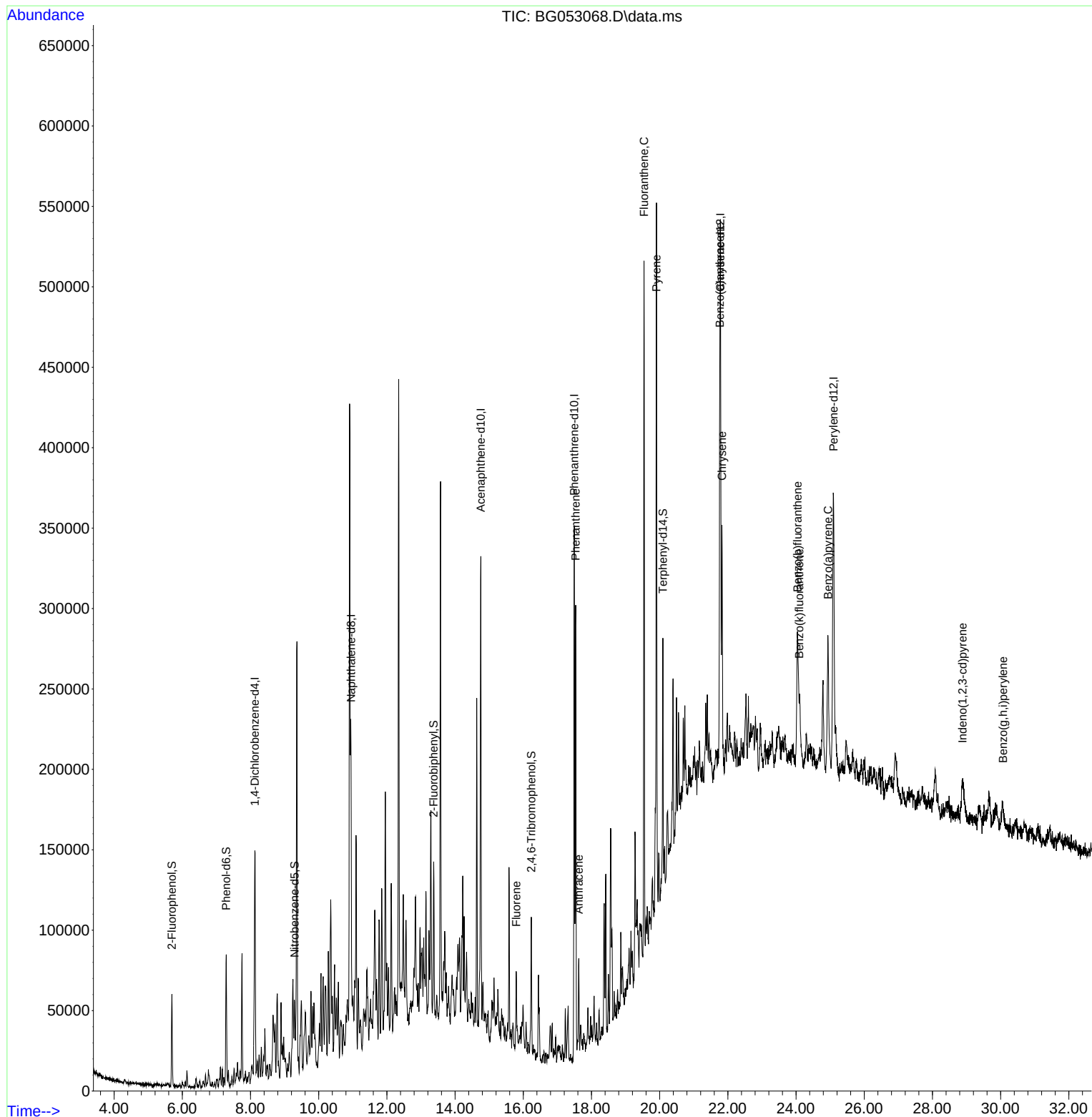
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
Data File : BG053068.D
Acq On : 6 Apr 2022 23:38
Operator : CG/JU
Sample : N2275-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

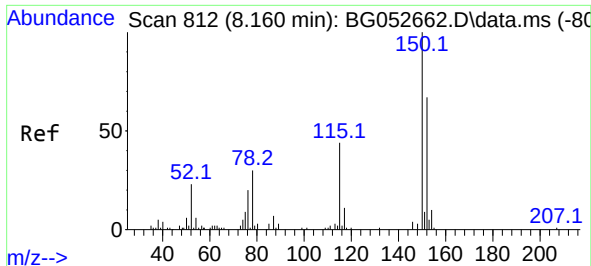
Instrument :
BNA_G
ClientSampleId :
EO-03-040522

Quant Time: Apr 07 04:11:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 06 14:35:39 2022
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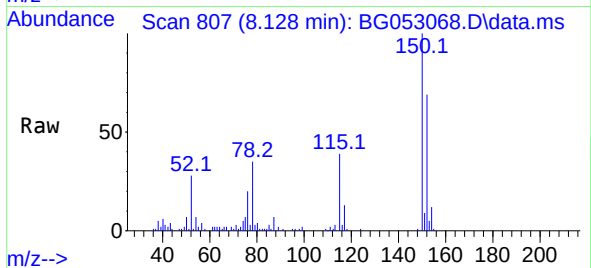
Reviewed By : Christian Giraldo 04/07/2022
Supervised By : Jagrut Upadhyay 04/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.128 min Scan# 80
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

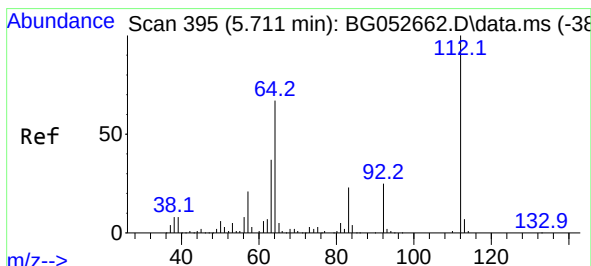
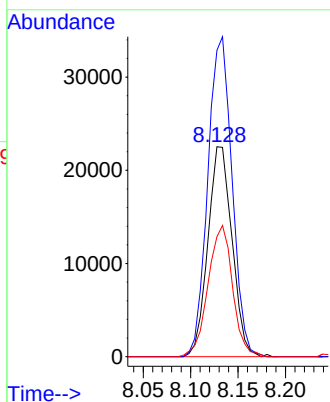
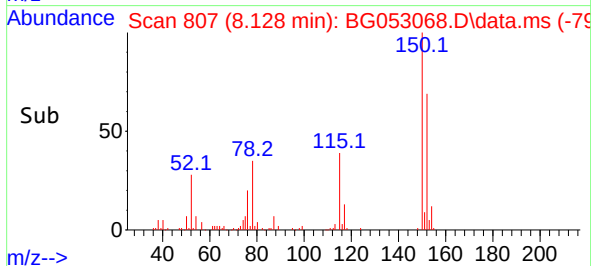
Instrument :
BNA_G
ClientSampleId :
EO-03-040522



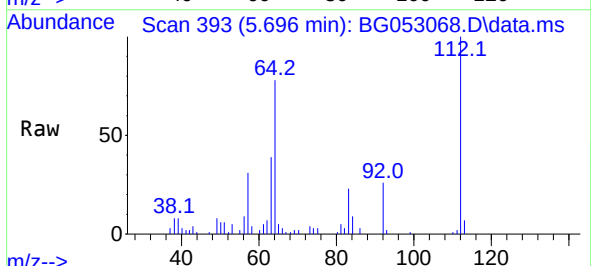
Tgt Ion:152 Resp: 3996
Ion Ratio Lower Upper
152 100
150 145.9 114.6 172.0
115 57.1 45.9 68.9

Manual Integrations
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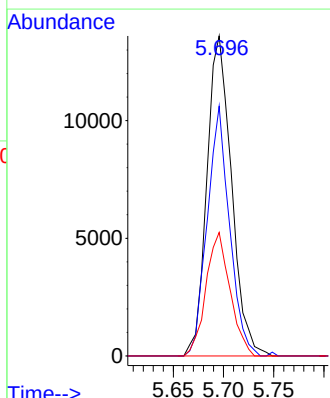
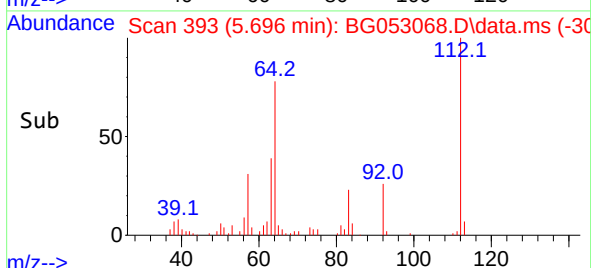
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

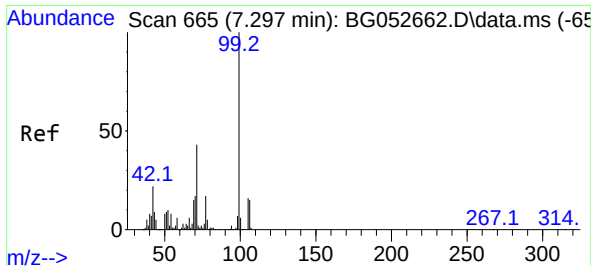


#5
2-Fluorophenol
Concen: 10.111 ng
RT: 5.696 min Scan# 393
Delta R.T. 0.011 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38



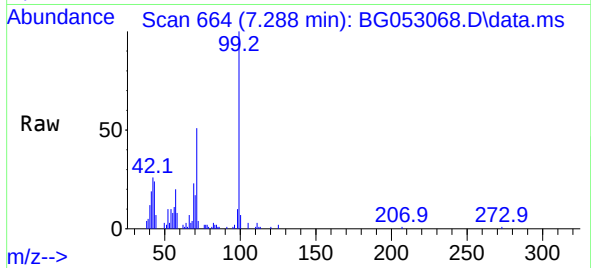
Tgt Ion:112 Resp: 23201
Ion Ratio Lower Upper
112 100
64 78.1 48.0 72.0#
63 38.6 26.5 39.7





#7
Phenol-d6
Concen: 9.947 ng
RT: 7.288 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

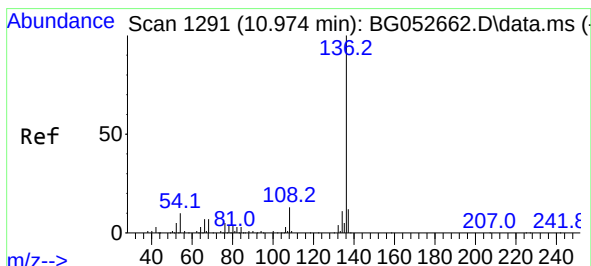
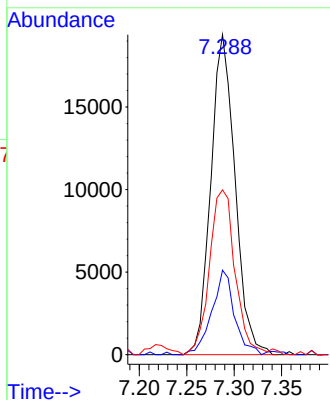
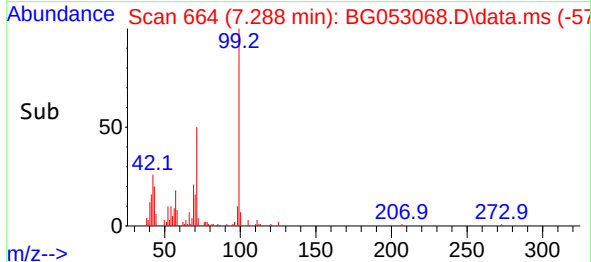
Instrument :
BNA_G
ClientSampleId :
EO-03-040522



Tgt Ion: 99 Resp: 34409
Ion Ratio Lower Upper
99 100
42 26.4 14.7 22.1
71 51.5 29.2 43.8

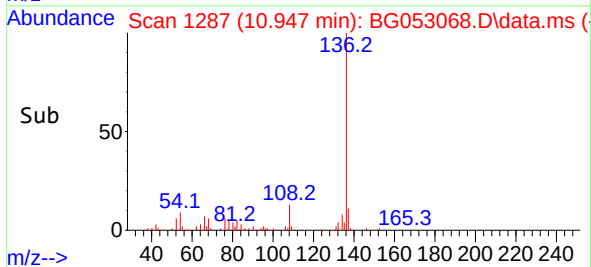
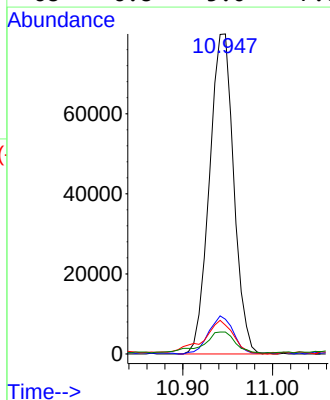
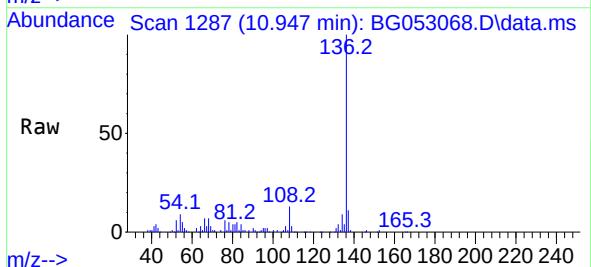
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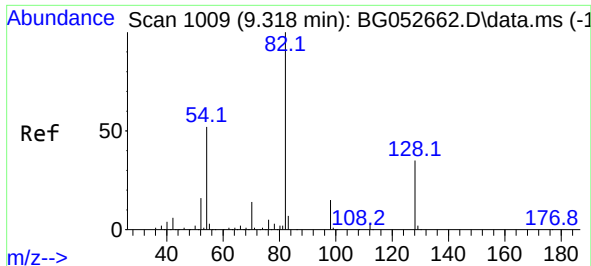
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.947 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

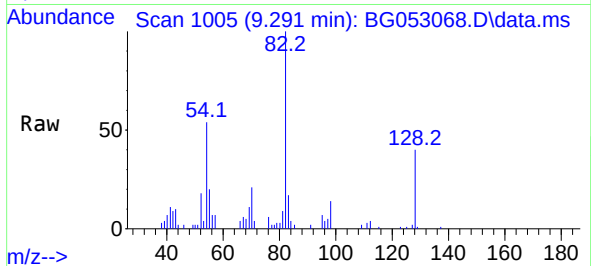
Tgt Ion:136 Resp: 150114
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.2
54 9.0 6.4 9.6
68 6.8 5.0 7.6





#23
Nitrobenzene-d5
Concen: 8.002 ng
RT: 9.291 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

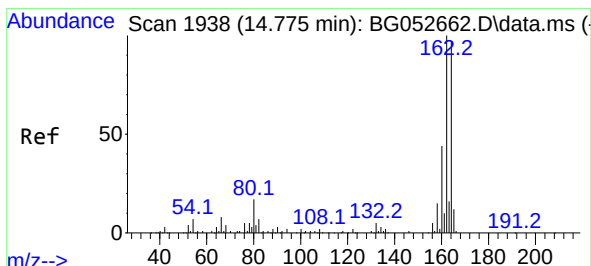
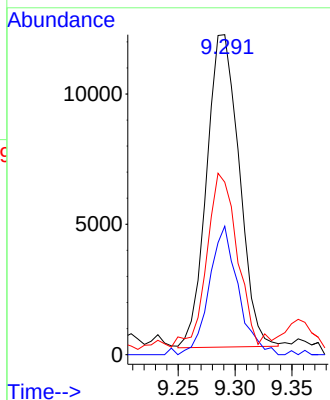
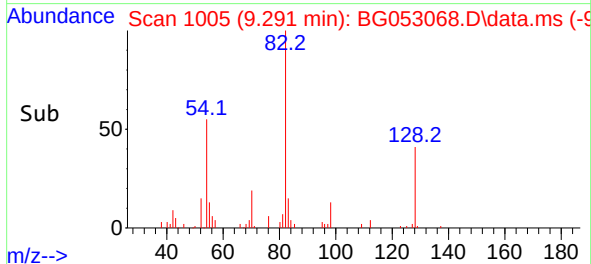
Instrument :
BNA_G
ClientSampleId :
EO-03-040522



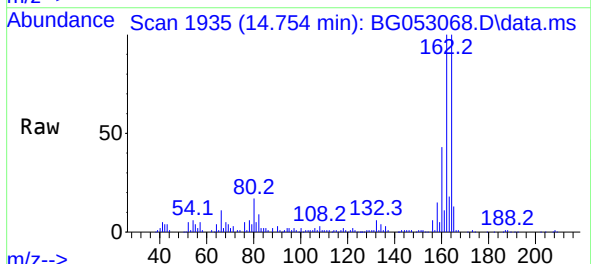
Tgt Ion: 82 Resp: 2393
Ion Ratio Lower Upper
82 100
128 40.2 31.3 46.9
54 53.9 37.8 56.8

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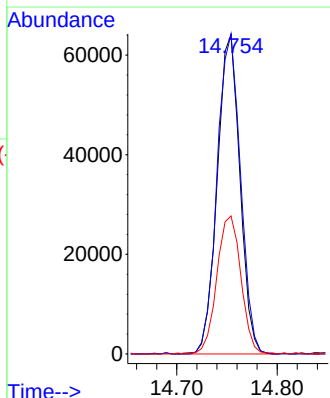
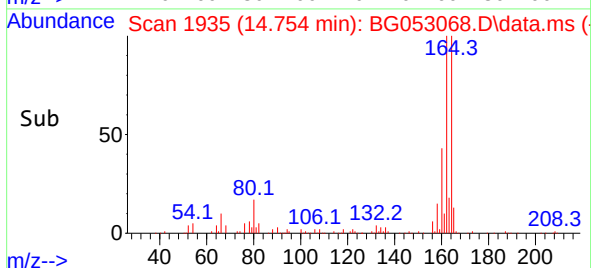
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

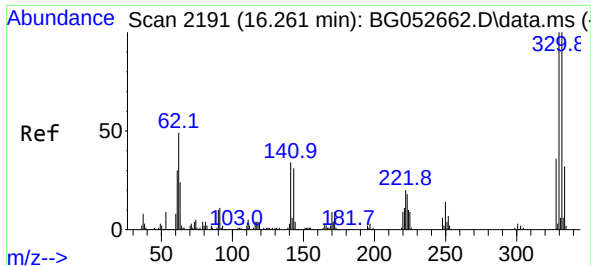


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.754 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38



Tgt Ion:164 Resp: 100373
Ion Ratio Lower Upper
164 100
162 100.2 80.0 120.0
160 43.2 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 10.340 ng
RT: 16.234 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Instrument :

BNA_G

ClientSampleId :

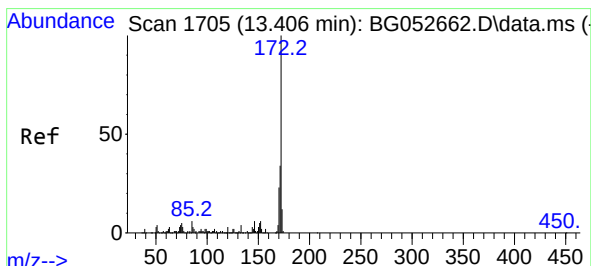
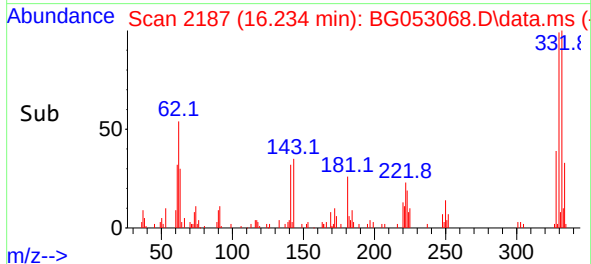
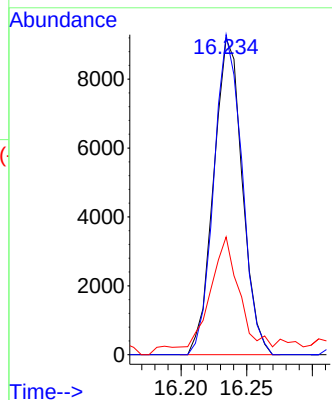
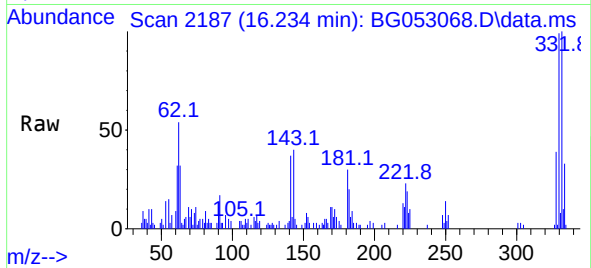
EO-03-040522

Tgt Ion:330 Resp: 13940
Ion Ratio Lower Upper
330 100
332 99.1 75.8 113.6
141 34.7 24.6 36.8

Manual Integrations

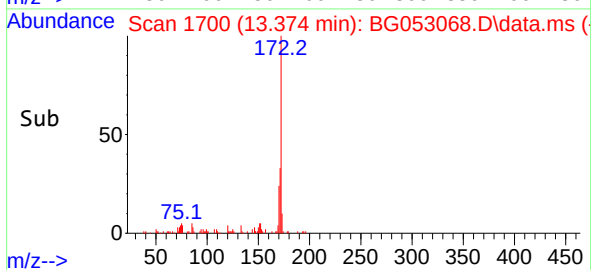
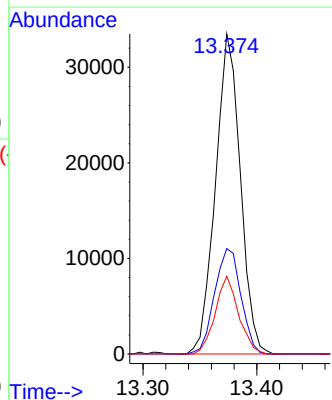
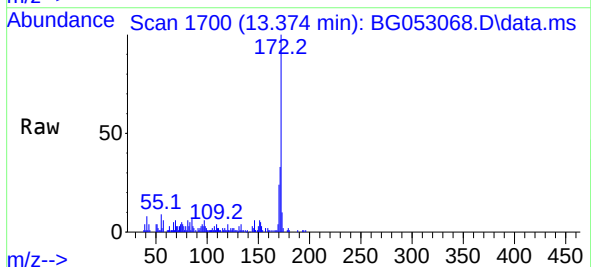
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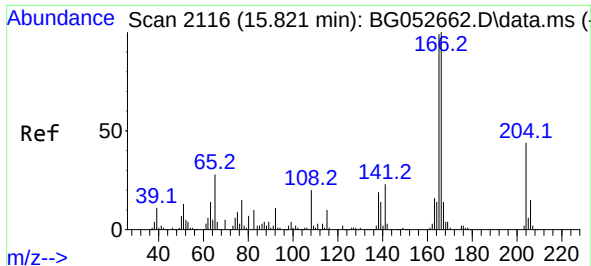
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#45
2-Fluorobiphenyl
Concen: 7.471 ng
RT: 13.374 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:172 Resp: 50845
Ion Ratio Lower Upper
172 100
171 32.9 28.3 42.5
170 24.3 18.0 27.0





#58
Fluorene
Concen: 2.619 ng
RT: 15.794 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Instrument :

BNA_G

ClientSampleId :

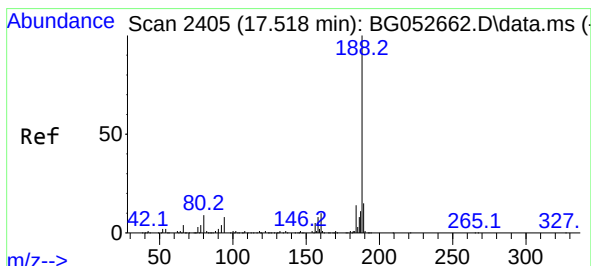
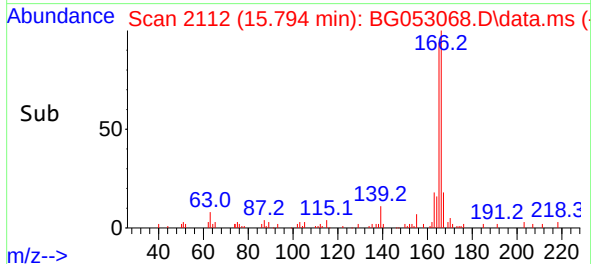
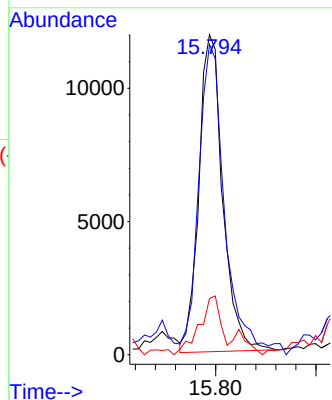
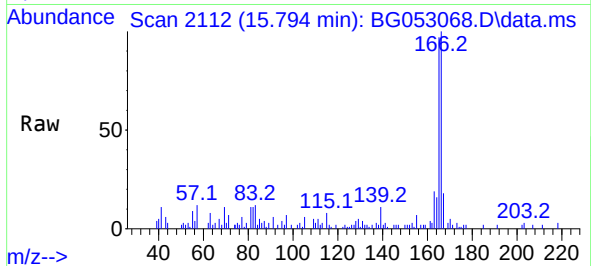
EO-03-040522

Tgt Ion:166 Resp: 19680
Ion Ratio Lower Upper
166 100
165 97.0 78.6 117.8
167 17.6 10.9 16.3

Manual Integrations

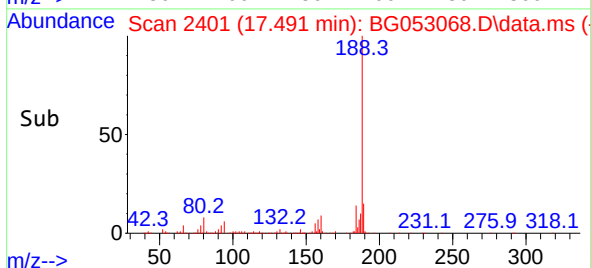
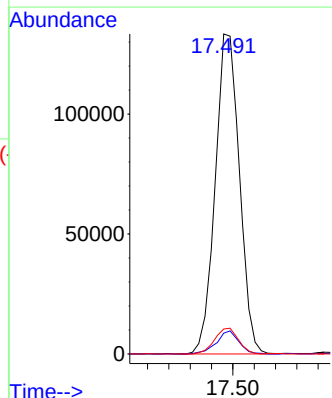
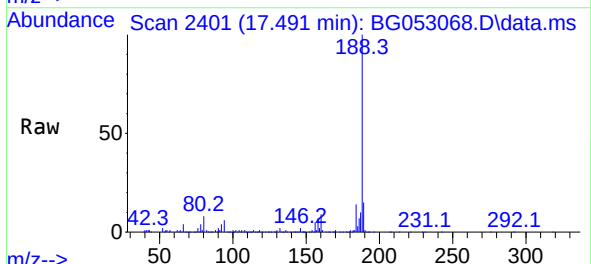
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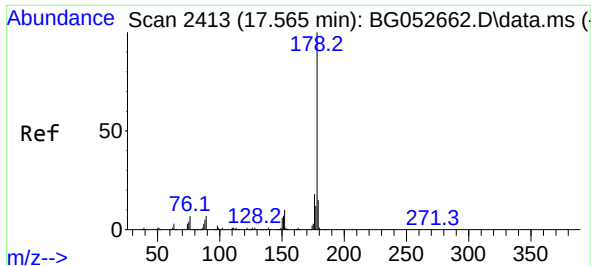
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.491 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

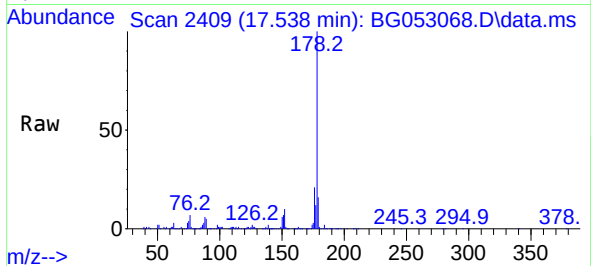
Tgt Ion:188 Resp: 210046
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 7.8 7.2 10.8





#71
Phenanthrene
Concen: 15.931 ng
RT: 17.538 min Scan# 2413
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

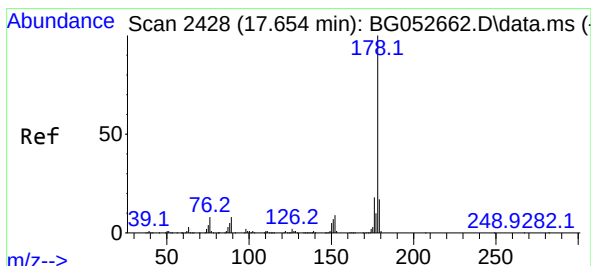
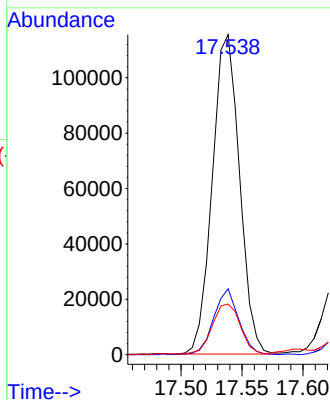
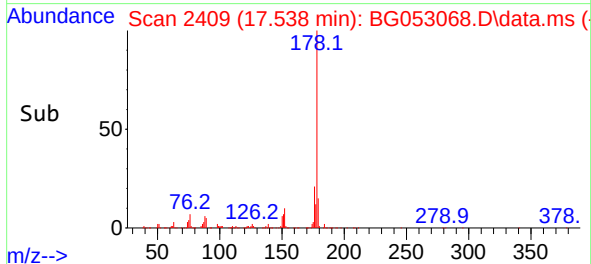
Instrument :
BNA_G
ClientSampleId :
EO-03-040522



Tgt Ion:178 Resp: 179020
Ion Ratio Lower Upper
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176 20.6 15.9 23.9
179 15.9 13.4 20.2

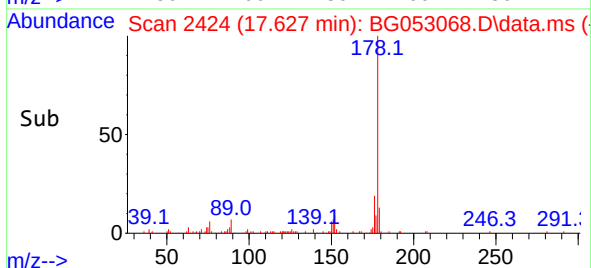
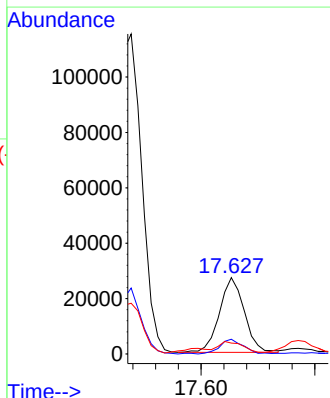
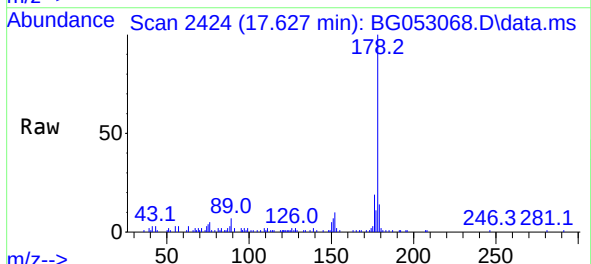
Manual Integrations
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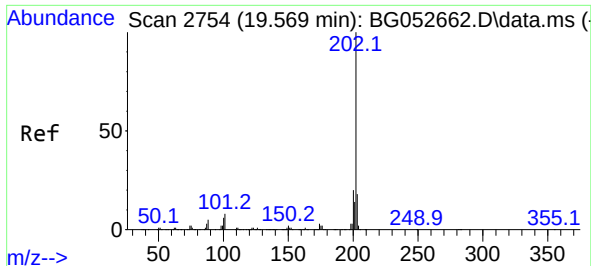
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#72
Anthracene
Concen: 3.691 ng
RT: 17.627 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:178 Resp: 41005
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 14.4 13.2 19.8





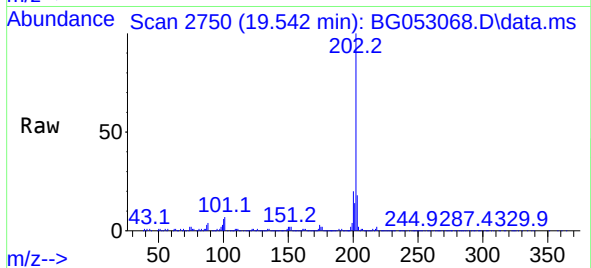
#75
Fluoranthene
Concen: 19.033 ng
RT: 19.542 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Instrument :

BNA_G

ClientSampleId :

EO-03-040522

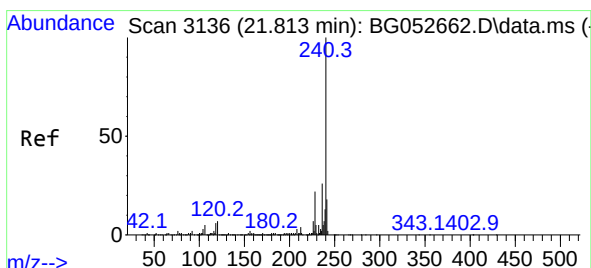
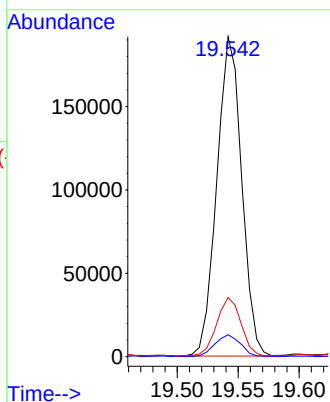
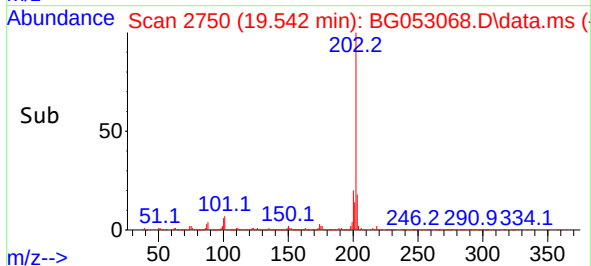


Tgt Ion:202 Resp: 271486
Ion Ratio Lower Upper
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101 6.9 0.0 27.3
203 18.5 0.0 37.7

Manual Integrations

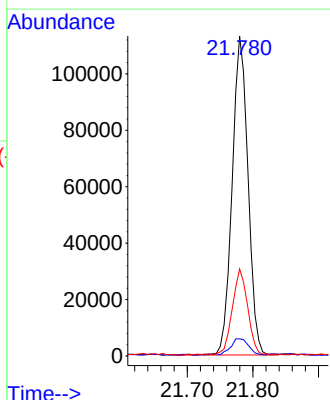
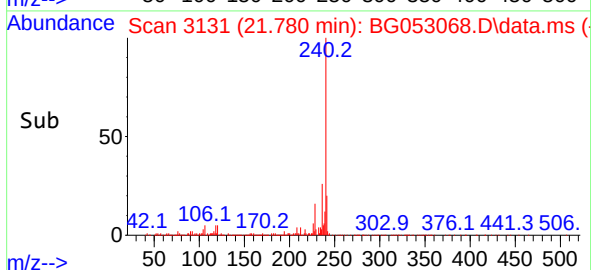
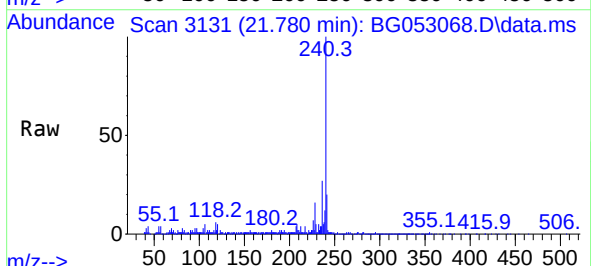
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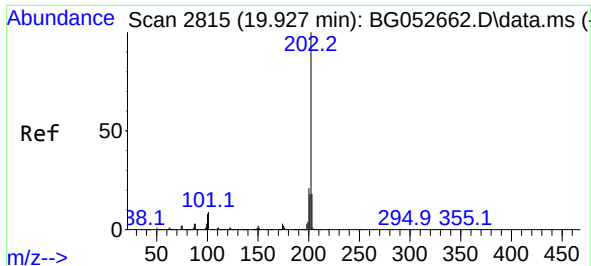
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.780 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:240 Resp: 190195
Ion Ratio Lower Upper
240 100
120 5.4 5.4 8.0
236 27.2 19.8 29.6





#78
Pyrene
Concen: 21.571 ng
RT: 19.906 min Scan# 2812
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Instrument :

BNA_G

ClientSampleId :

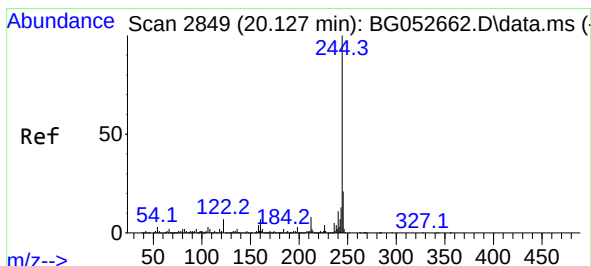
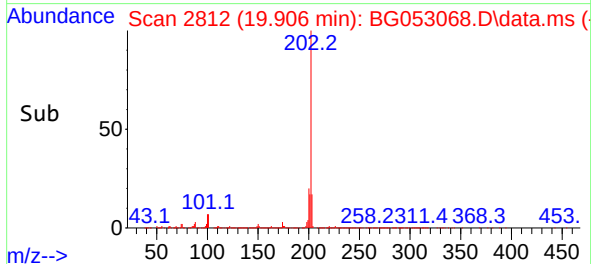
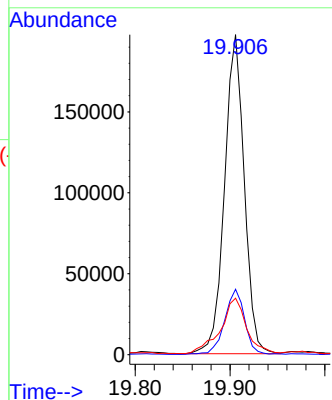
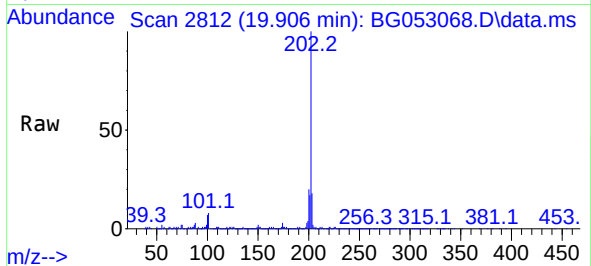
EO-03-040522

Tgt Ion:202 Resp: 28458
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 17.7 15.0 22.6

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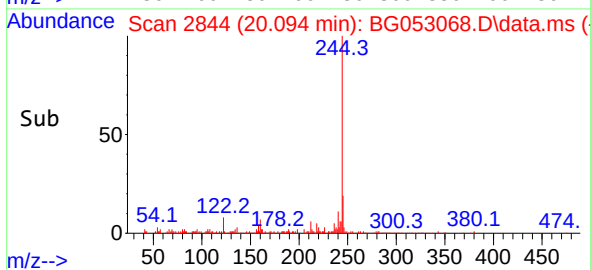
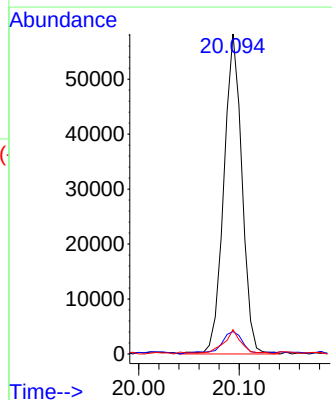
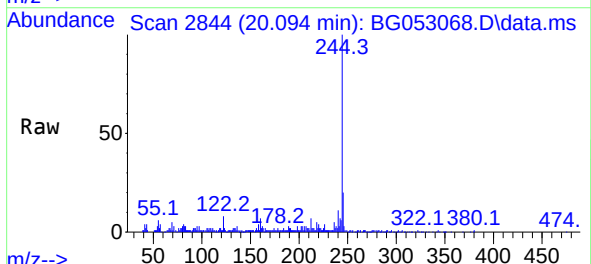
APPROVED

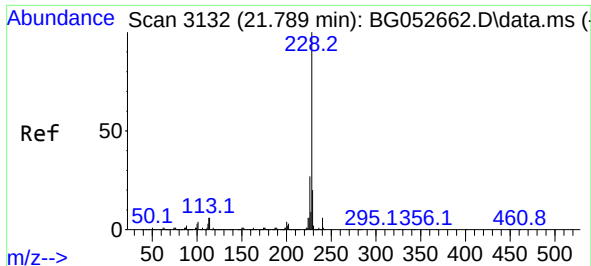
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#79
Terphenyl-d14
Concen: 6.830 ng
RT: 20.094 min Scan# 2844
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

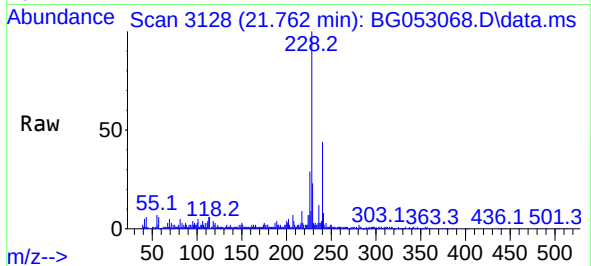
Tgt Ion:244 Resp: 73028
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 7.6 5.8 8.6





#81
Benzo(a)anthracene
Concen: 9.428 ng
RT: 21.762 min Scan# 3132
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

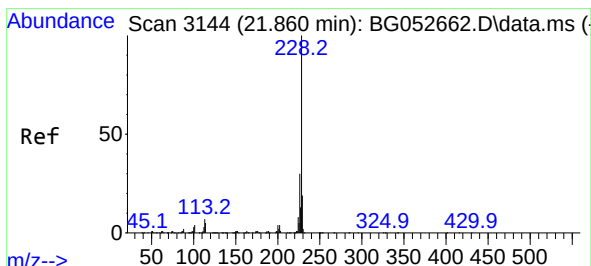
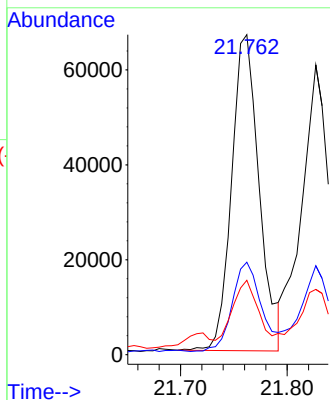
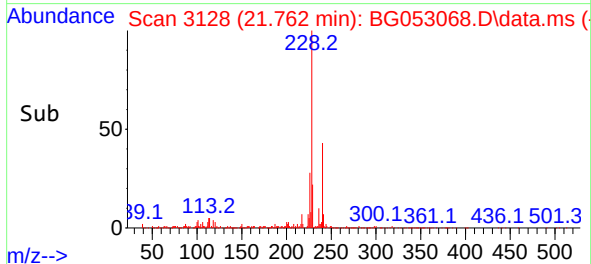
Instrument :
BNA_G
ClientSampleId :
EO-03-040522



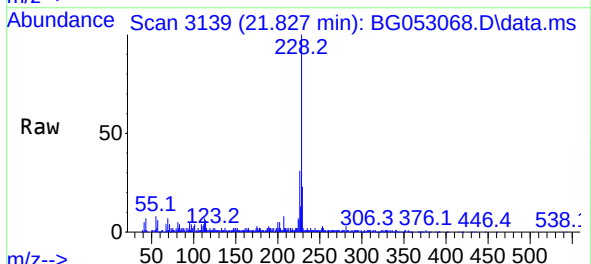
Tgt Ion:228 Resp: 120060
Ion Ratio Lower Upper
228 100
226 28.9 21.4 32.0
229 23.2 16.7 25.1

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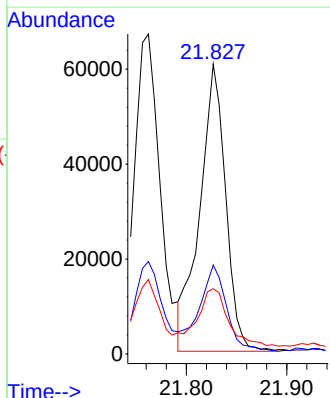
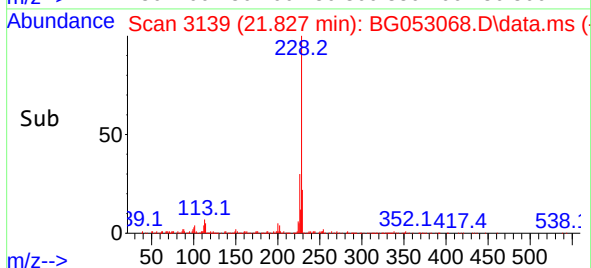
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

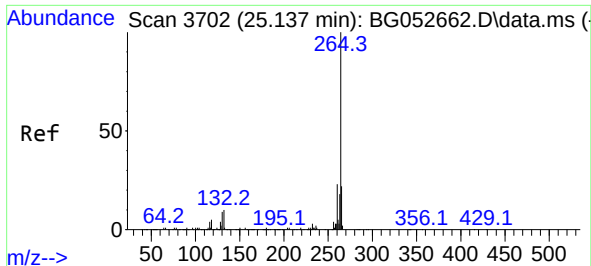


#83
Chrysene
Concen: 9.087 ng
RT: 21.827 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38



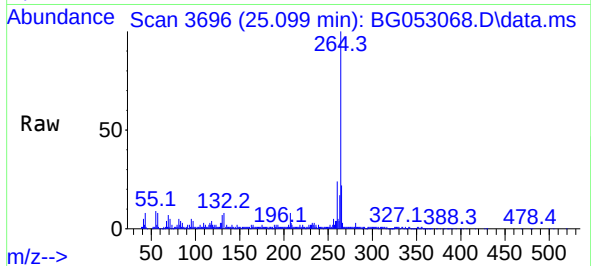
Tgt Ion:228 Resp: 108798
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 22.5 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.099 min Scan# 30
Delta R.T. 0.017 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

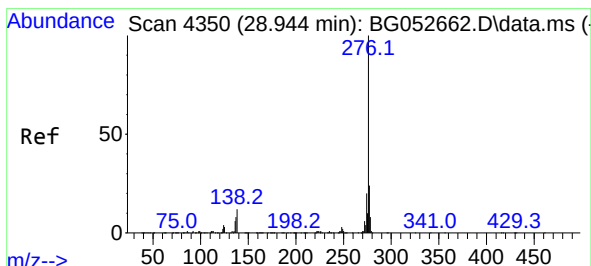
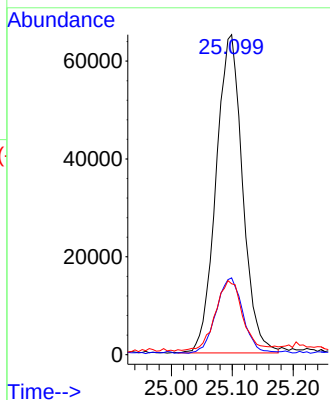
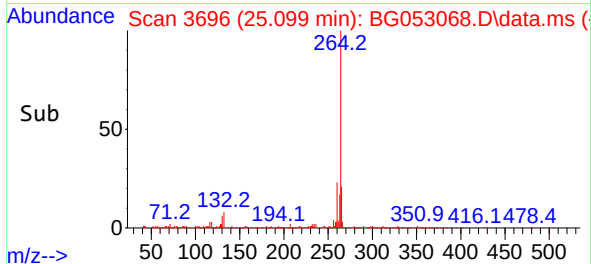
Instrument :
BNA_G
ClientSampleId :
EO-03-040522



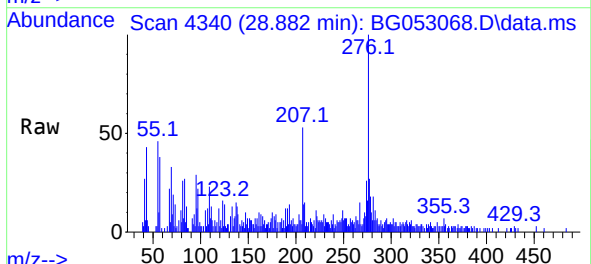
Tgt Ion:264 Resp: 19686
Ion Ratio Lower Upper
264 100
260 24.0 18.2 27.2
265 22.2 15.1 22.7

Manual Integrations
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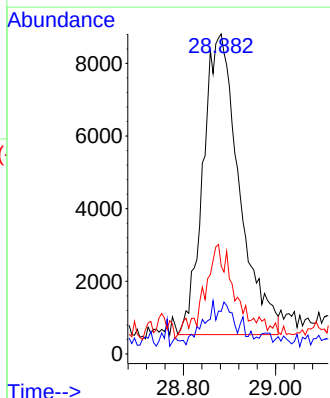
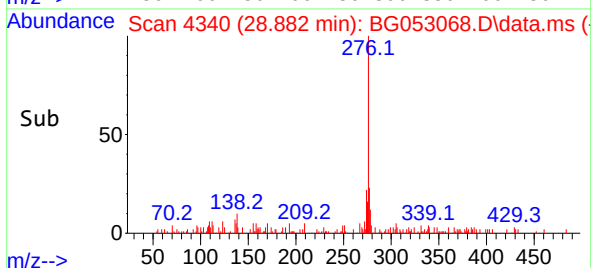
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

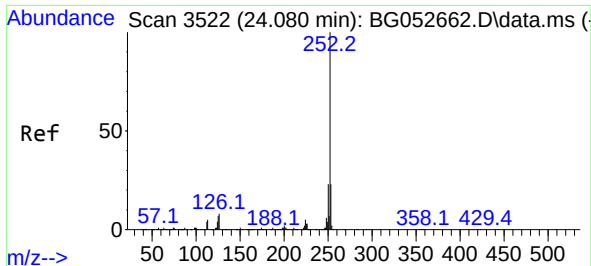


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.323 ng
RT: 28.882 min Scan# 4340
Delta R.T. 0.011 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38



Tgt Ion:276 Resp: 44774
Ion Ratio Lower Upper
276 100
138 3.6 8.7 13.1#
277 17.5 20.2 30.4#





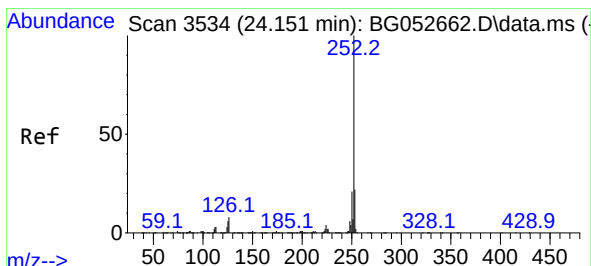
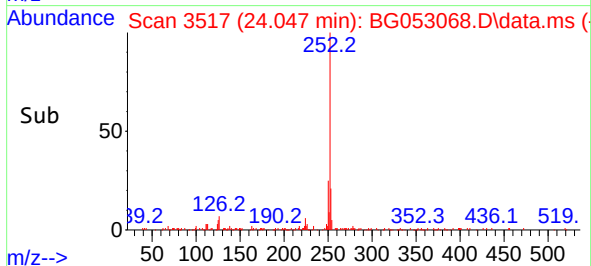
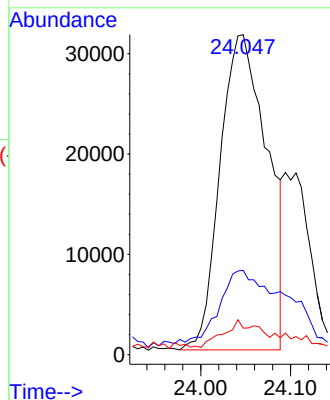
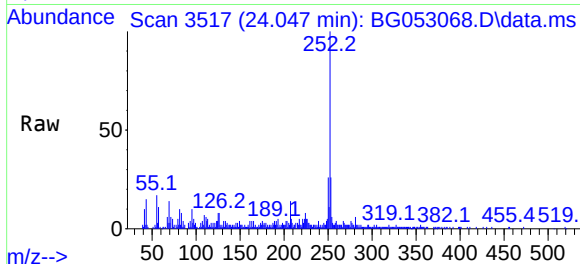
#88
Benzo(b)fluoranthene
Concen: 9.374 ng
RT: 24.047 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Instrument :
BNA_G
ClientSampleId :
EO-03-040522

Tgt Ion:252 Resp: 11458
Ion Ratio Lower Upper
252 100
253 26.3 17.2 25.8
125 8.3 5.2 7.8

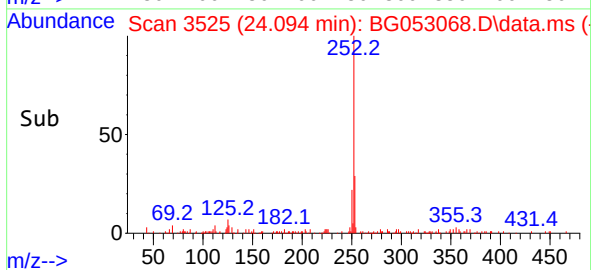
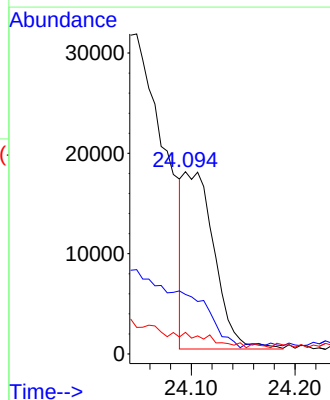
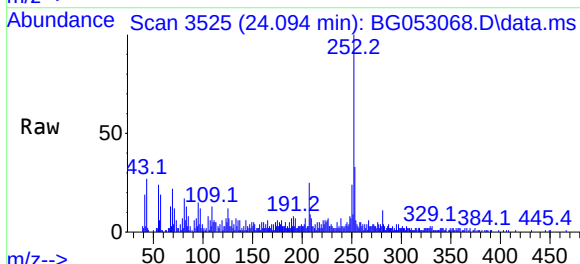
Manual Integrations
APPROVED

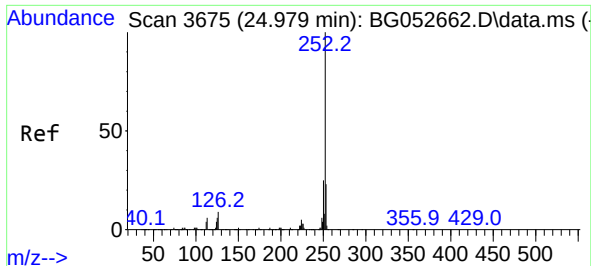
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#89
Benzo(k)fluoranthene
Concen: 3.029 ng m
RT: 24.094 min Scan# 3525
Delta R.T. -0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

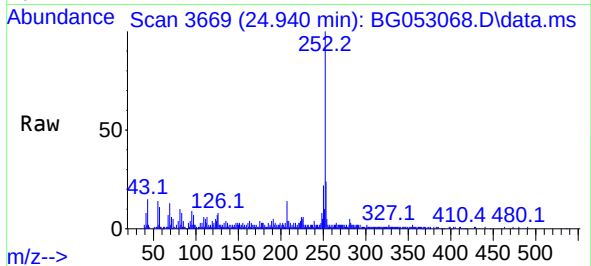
Tgt Ion:252 Resp: 36432
Ion Ratio Lower Upper
252 100
253 32.6 17.4 26.0#
125 11.8 5.0 7.4#





#90
Benzo(a)pyrene
Concen: 9.541 ng
RT: 24.940 min Scan# 30
Delta R.T. 0.011 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

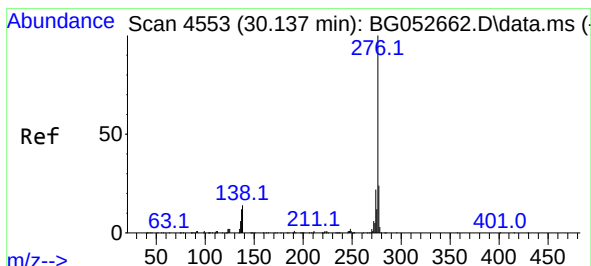
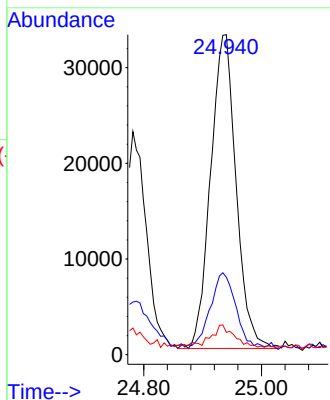
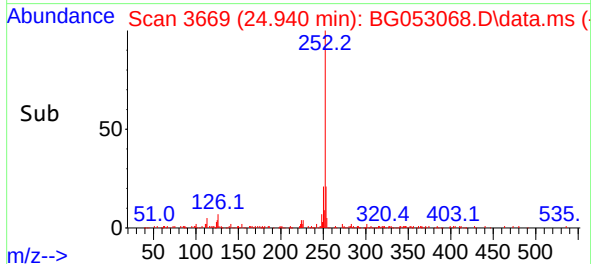
Instrument :
BNA_G
ClientSampleId :
EO-03-040522



Tgt Ion:252 Resp: 98714
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 7.0 5.6 8.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#92
Benzo(g,h,i)perylene
Concen: 3.306 ng
RT: 30.069 min Scan# 4542
Delta R.T. 0.017 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:276 Resp: 36318
Ion Ratio Lower Upper
276 100
277 25.6 18.2 27.2
138 15.1 9.1 13.7#

