

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053067.D
 Acq On : 6 Apr 2022 22:59
 Operator : CG/JU
 Sample : N2278-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-040522

Manual Integrations
 APPROVED

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

Quant Time: Apr 07 04:11:34 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	8.129	152	40012	20.000	ng	0.00
21) Naphthalene-d8	10.943	136	160882	20.000	ng	# 0.00
39) Acenaphthene-d10	14.749	164	109581	20.000	ng	0.00
64) Phenanthrene-d10	17.493	188	219879	20.000	ng	0.00
76) Chrysene-d12	21.781	240	190747	20.000	ng	0.00
86) Perylene-d12	25.088	264	203667	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	25016	10.888	ng	0.01
7) Phenol-d6	7.289	99	36890	10.650	ng	0.00
23) Nitrobenzene-d5	9.286	82	27447	8.563	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	16512	11.214	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	62504	8.412	ng	0.00
79) Terphenyl-d14	20.095	244	85710	7.993	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.795	166	19147	2.334	ng	98
71) Phenanthrene	17.534	178	151106	12.846	ng	98
72) Anthracene	17.628	178	34124	2.935	ng	98
75) Fluoranthene	19.543	202	176769	11.839	ng	97
78) Pyrene	19.901	202	176767	13.360	ng	97
81) Benzo(a)anthracene	21.757	228	89537	7.010	ng	96
83) Chrysene	21.822	228	88817	7.397	ng	96
87) Indeno(1,2,3-cd)pyrene	28.871	276	47199	3.386	ng	# 87
88) Benzo(b)fluoranthene	24.037	252	105245	8.323	ng	# 97
89) Benzo(k)fluoranthene	24.095	252	35944m	2.889	ng	
90) Benzo(a)pyrene	24.930	252	85781	8.014	ng	99
92) Benzo(g,h,i)perylene	30.052	276	44748	3.937	ng	# 91

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

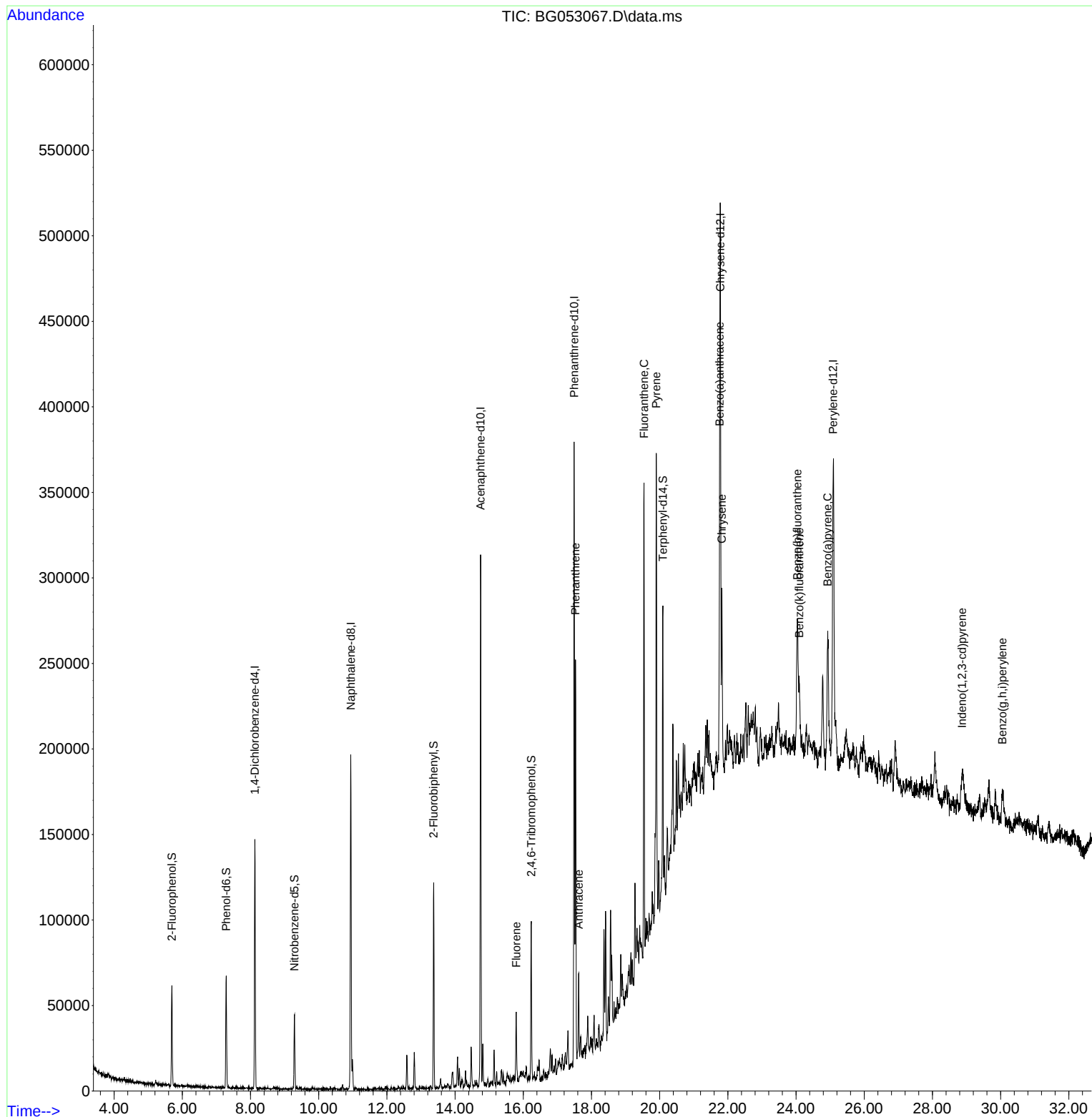
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
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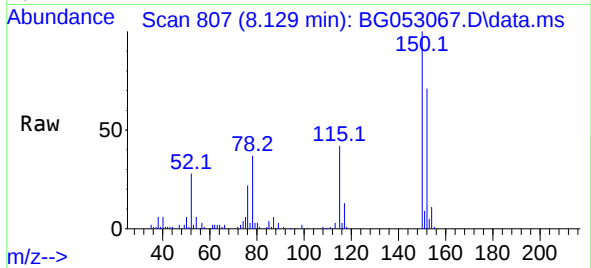
Reviewed By : Christian Giraldo 04/07/2022
Supervised By : Jagrut Upadhyay 04/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 807
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

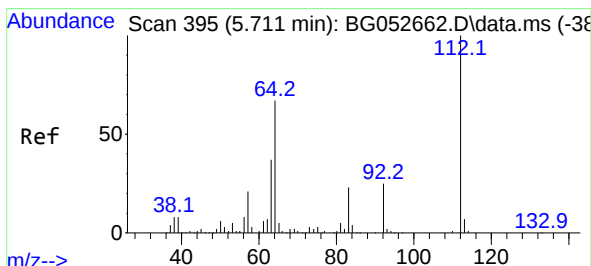
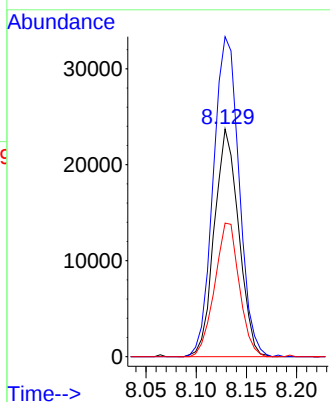
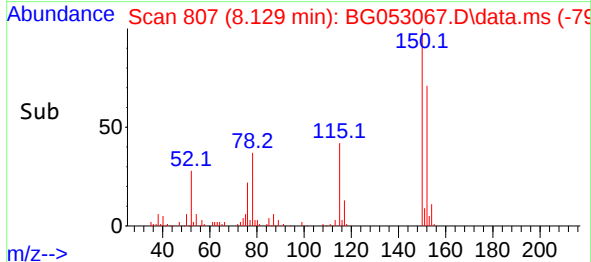
Instrument :
BNA_G
ClientSampleId :
OR-03-040522



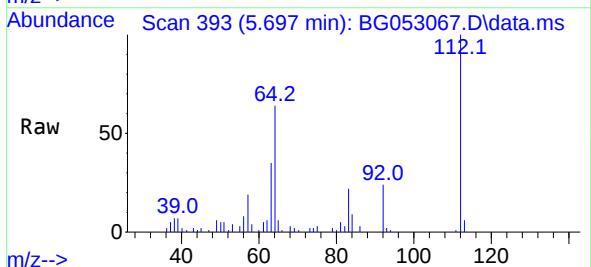
Tgt Ion:152 Resp: 4001
Ion Ratio Lower Upper
152 100
150 140.6 114.6 172.0
115 58.7 45.9 68.9

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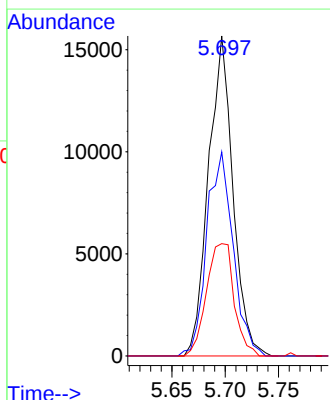
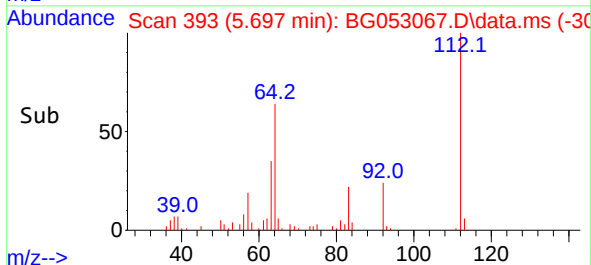
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

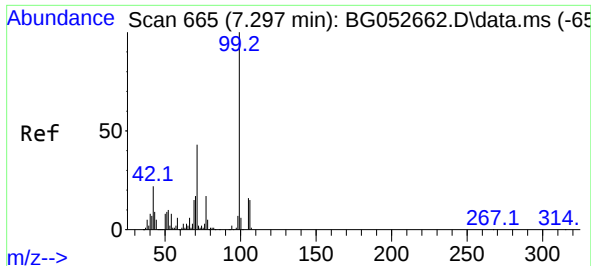


#5
2-Fluorophenol
Concen: 10.888 ng
RT: 5.697 min Scan# 393
Delta R.T. 0.013 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59



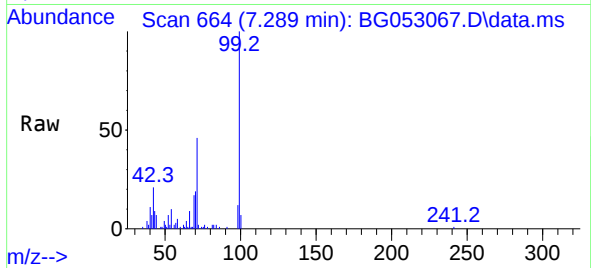
Tgt Ion:112 Resp: 25016
Ion Ratio Lower Upper
112 100
64 63.7 48.0 72.0
63 35.1 26.5 39.7





#7
Phenol-d6
Concen: 10.650 ng
RT: 7.289 min Scan# 60
Delta R.T. 0.007 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

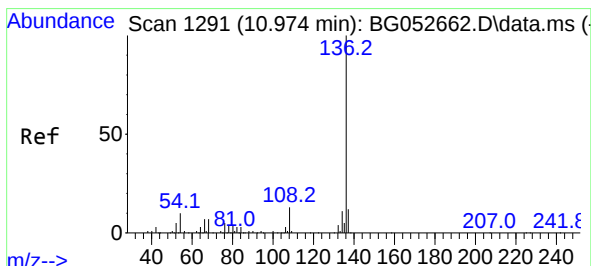
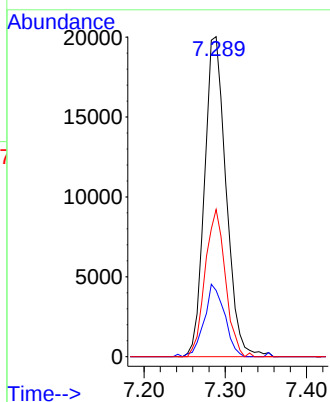
Instrument :
BNA_G
ClientSampleId :
OR-03-040522



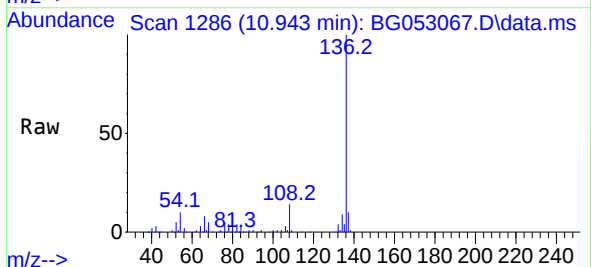
Tgt Ion: 99 Resp: 36890
Ion Ratio Lower Upper
99 100
42 20.7 14.7 22.1
71 46.0 29.2 43.8

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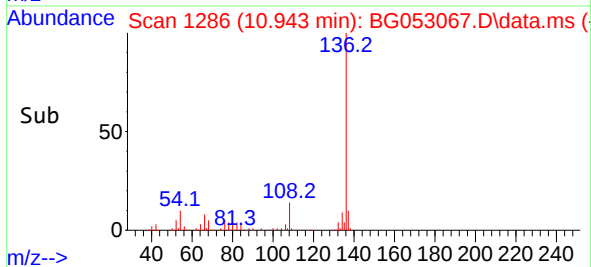
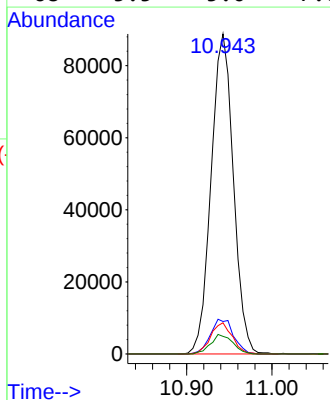
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

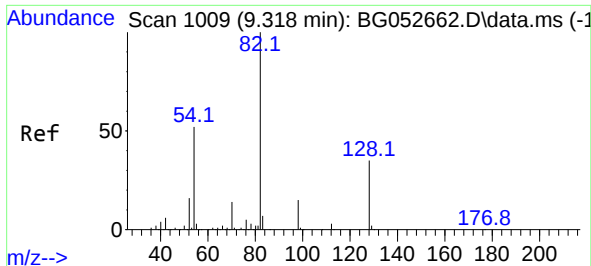


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.943 min Scan# 1286
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59



Tgt Ion:136 Resp: 160882
Ion Ratio Lower Upper
136 100
137 10.1 9.4 14.2
54 9.7 6.4 9.6#
68 5.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 8.563 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.005 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Instrument :

BNA_G

ClientSampleId :

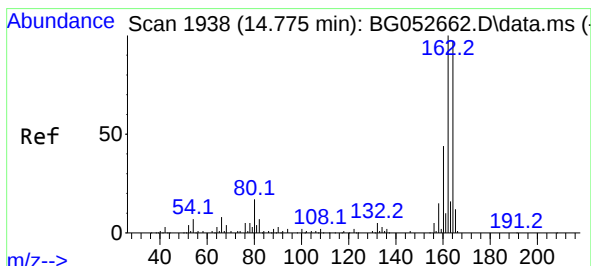
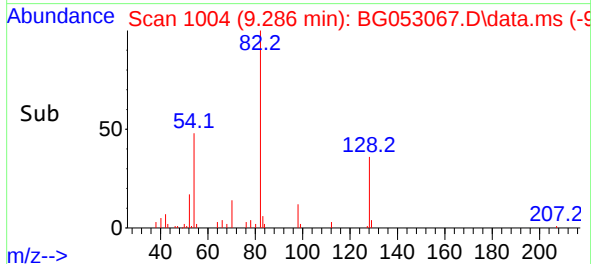
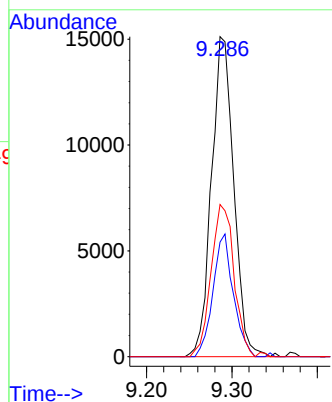
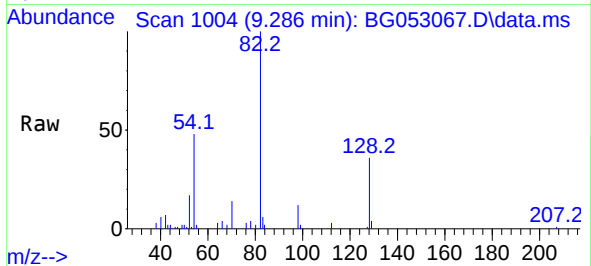
OR-03-040522

Tgt Ion: 82 Resp: 2744
Ion Ratio Lower Upper
82 100
128 35.8 31.3 46.9
54 47.5 37.8 56.8

Manual Integrations

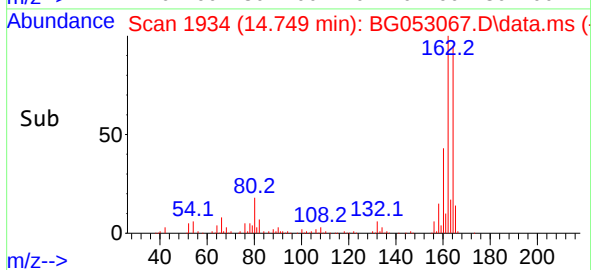
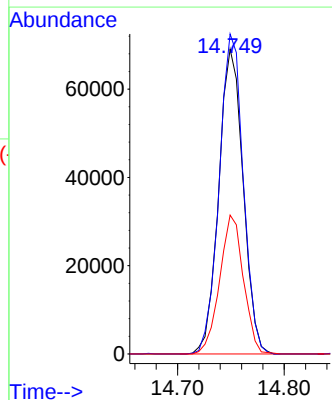
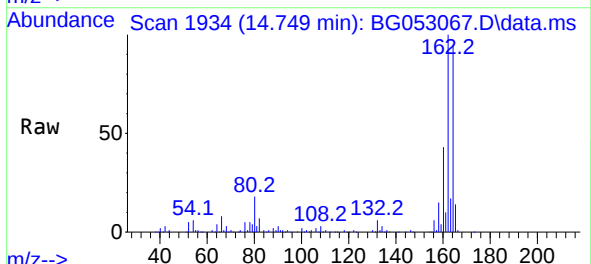
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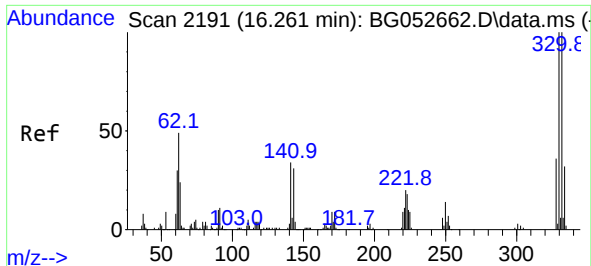
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion:164 Resp: 109581
Ion Ratio Lower Upper
164 100
162 105.0 80.0 120.0
160 45.6 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 11.214 ng
RT: 16.235 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Instrument :

BNA_G

ClientSampleId :

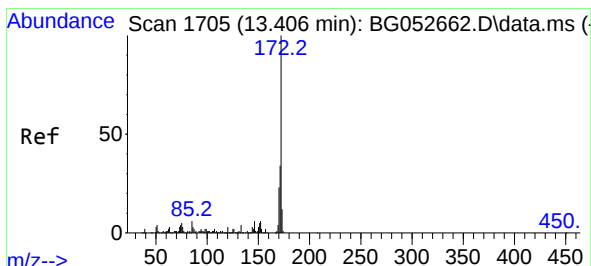
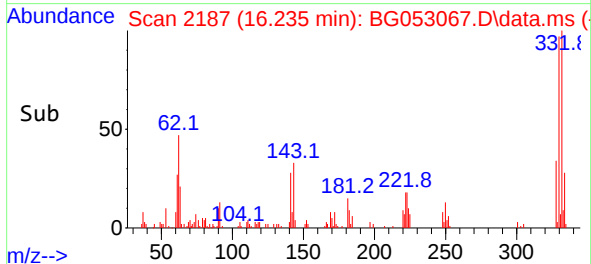
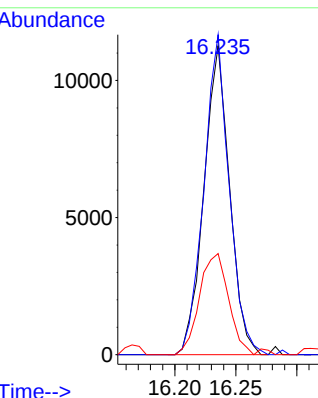
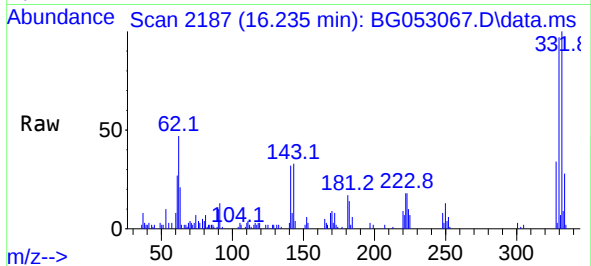
OR-03-040522

Tgt Ion:330 Resp: 1651
Ion Ratio Lower Upper
330 100
332 102.1 75.8 113.6
141 37.0 24.6 36.8

Manual Integrations

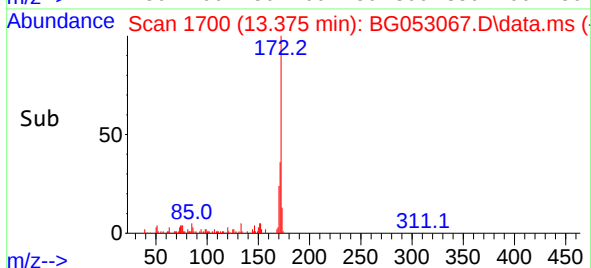
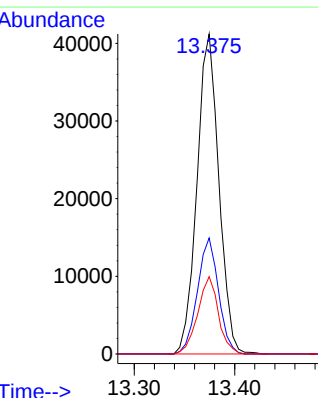
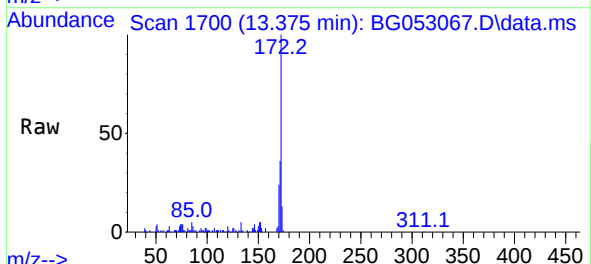
APPROVED

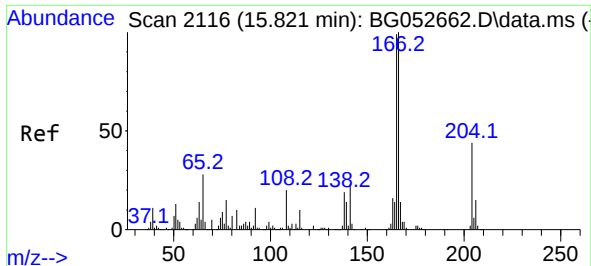
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#45
2-Fluorobiphenyl
Concen: 8.412 ng
RT: 13.375 min Scan# 1700
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

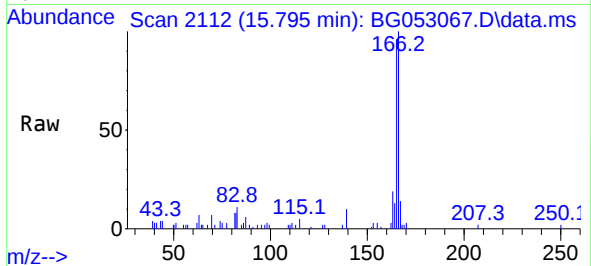
Tgt Ion:172 Resp: 62504
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 24.2 18.0 27.0





#58
Fluorene
Concen: 2.334 ng
RT: 15.795 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

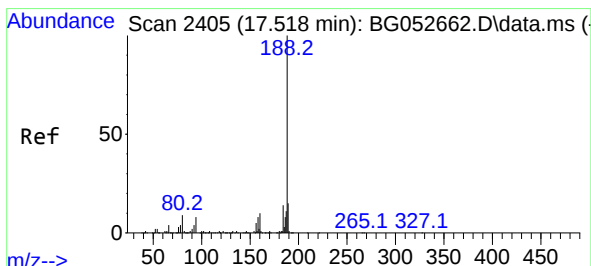
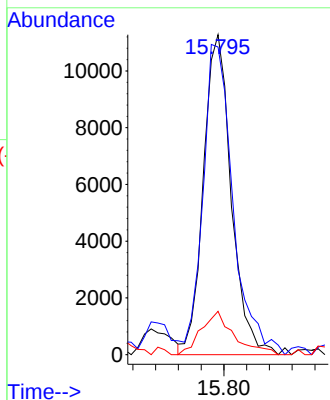
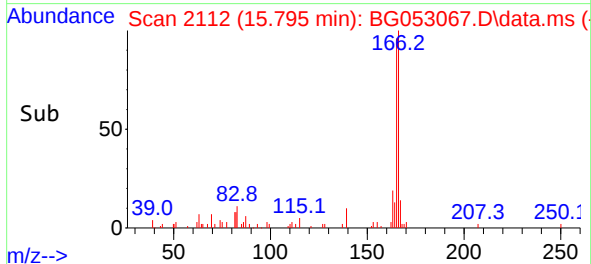
Instrument :
BNA_G
ClientSampleId :
OR-03-040522



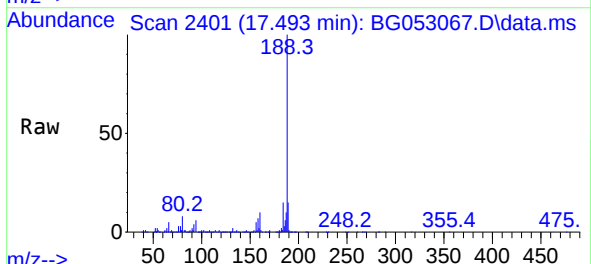
Tgt Ion:166 Resp: 1914
Ion Ratio Lower Upper
166 100
165 96.1 78.6 117.8
167 13.5 10.9 16.3

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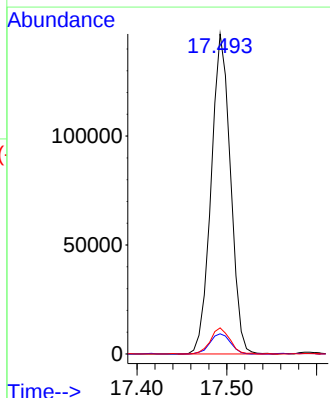
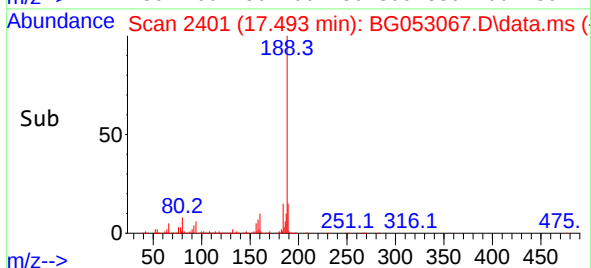
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

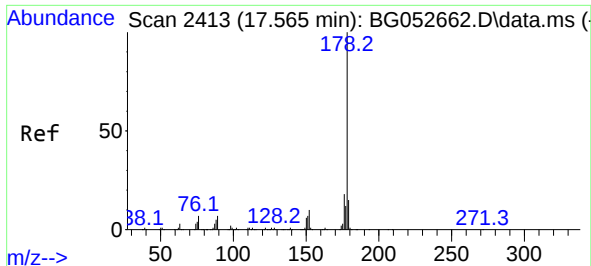


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.493 min Scan# 2401
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59



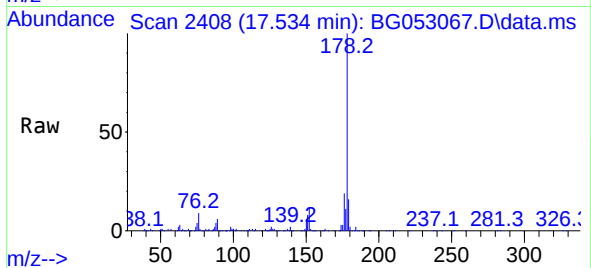
Tgt Ion:188 Resp: 219879
Ion Ratio Lower Upper
188 100
94 6.3 5.7 8.5
80 8.2 7.2 10.8





#71
Phenanthrene
Concen: 12.846 ng
RT: 17.534 min Scan# 2413
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

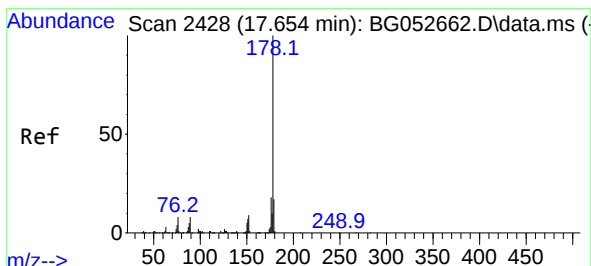
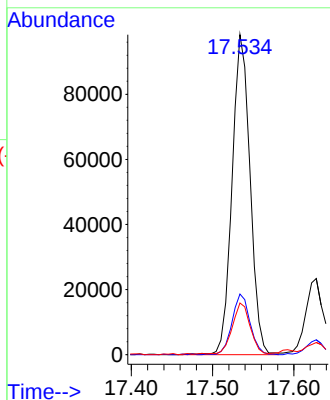
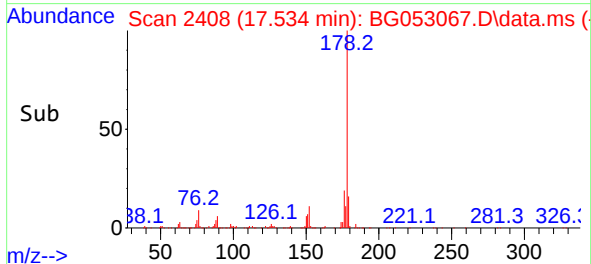
Instrument :
BNA_G
ClientSampleId :
OR-03-040522



Tgt Ion:178 Resp: 151100
Ion Ratio Lower Upper
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176 18.9 15.9 23.9
179 16.1 13.4 20.2

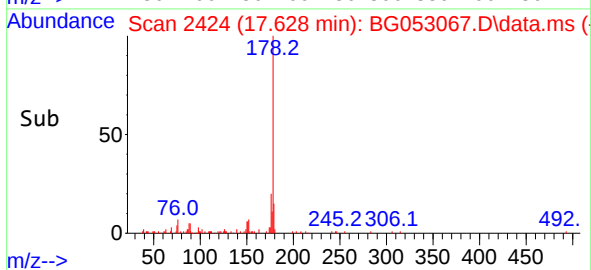
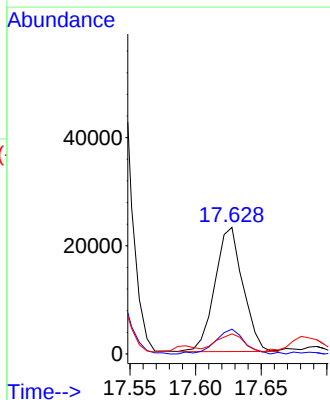
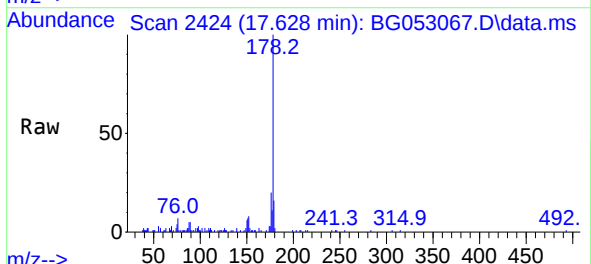
Manual Integrations
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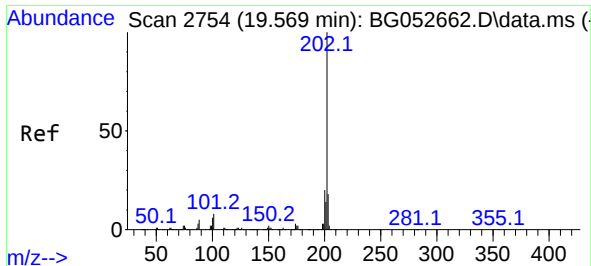
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#72
Anthracene
Concen: 2.935 ng
RT: 17.628 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

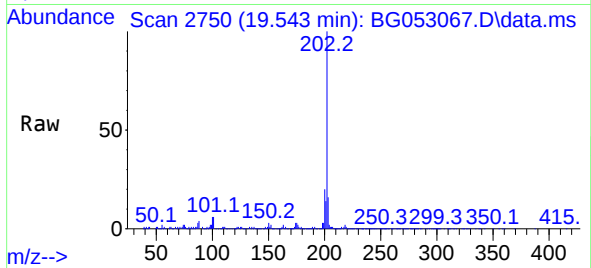
Tgt Ion:178 Resp: 34124
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 15.9 13.2 19.8





#75
Fluoranthene
Concen: 11.839 ng
RT: 19.543 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

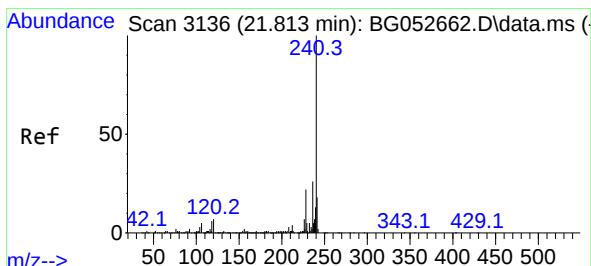
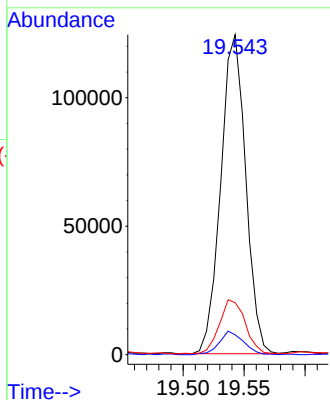
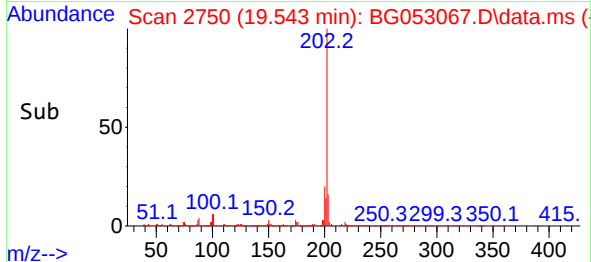
Instrument :
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OR-03-040522



Tgt Ion:202 Resp: 176769
Ion Ratio Lower Upper
202 100
101 6.2 0.0 27.3
203 16.3 0.0 37.7

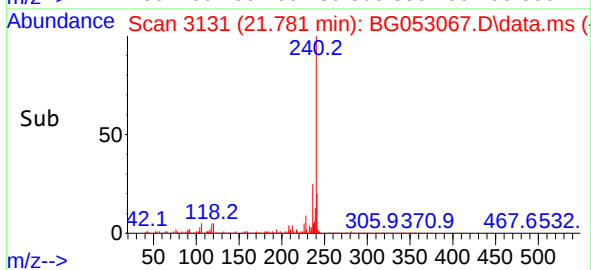
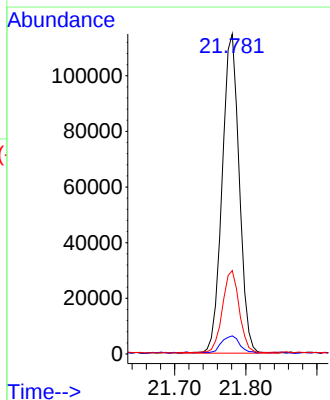
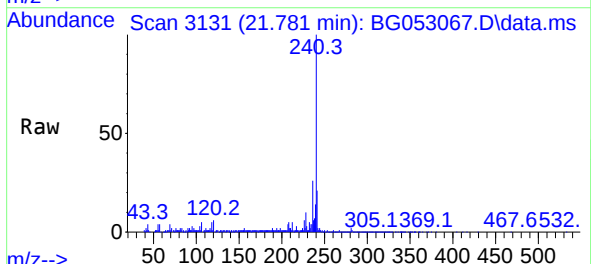
Manual Integrations
APPROVED

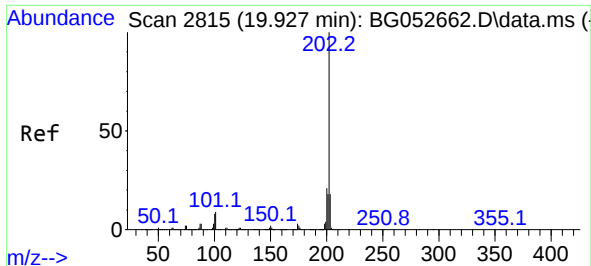
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.781 min Scan# 3131
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

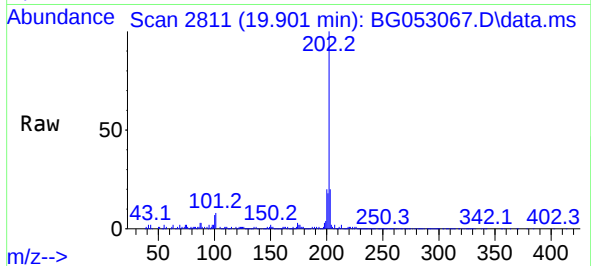
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Ion Ratio Lower Upper
240 100
120 5.7 5.4 8.0
236 26.1 19.8 29.6





#78
Pyrene
Concen: 13.360 ng
RT: 19.901 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

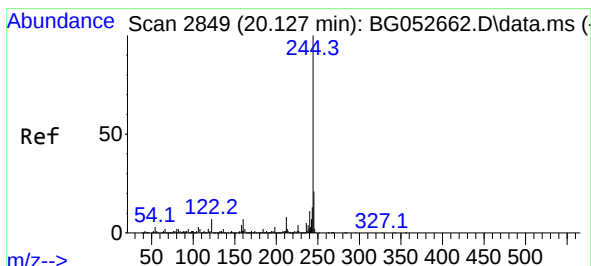
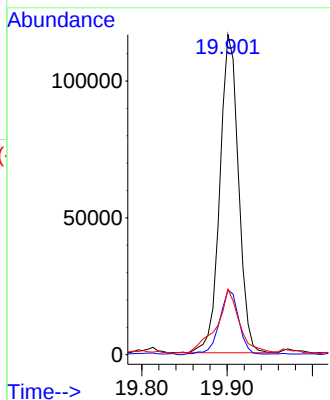
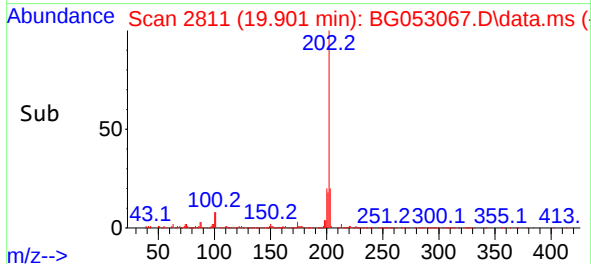
Instrument :
BNA_G
ClientSampleId :
OR-03-040522



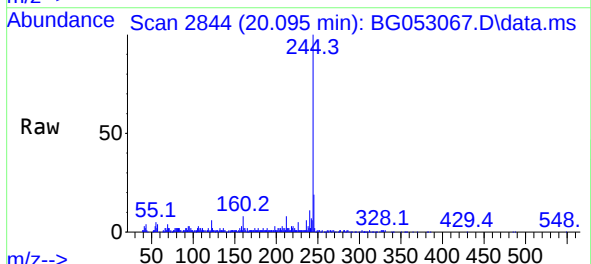
Tgt Ion:202 Resp: 17676
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.6
203 20.5 15.0 22.6

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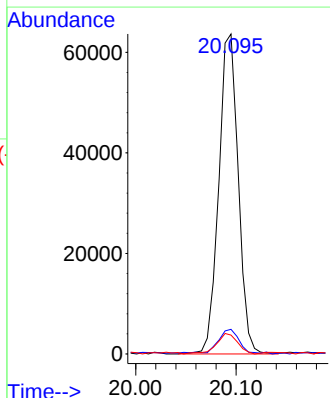
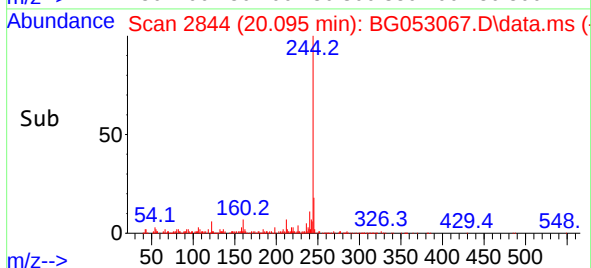
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

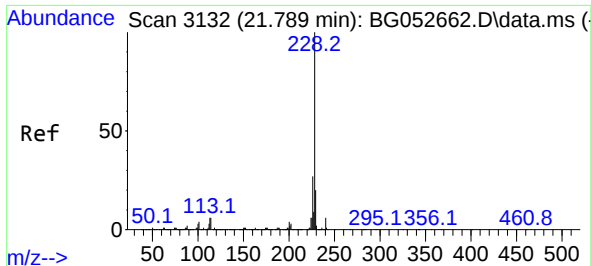


#79
Terphenyl-d14
Concen: 7.993 ng
RT: 20.095 min Scan# 2844
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59



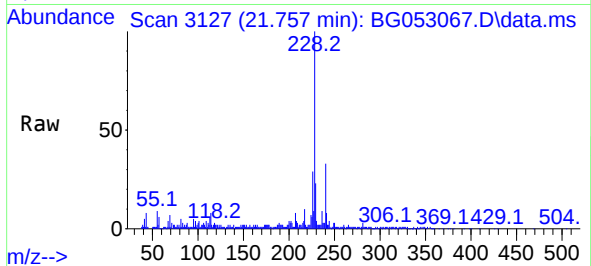
Tgt Ion:244 Resp: 85710
Ion Ratio Lower Upper
244 100
212 7.7 5.4 8.2
122 5.9 5.8 8.6





#81
Benzo(a)anthracene
Concen: 7.010 ng
RT: 21.757 min Scan# 3132
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

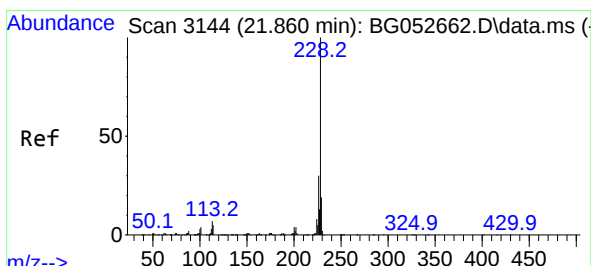
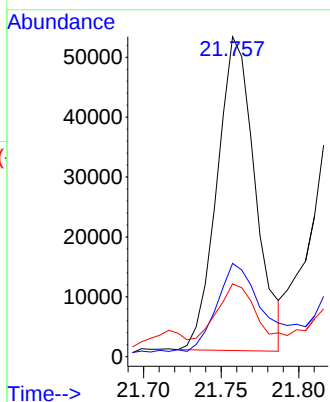
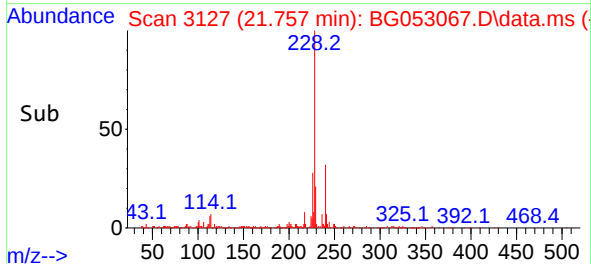
Instrument :
BNA_G
ClientSampleId :
OR-03-040522



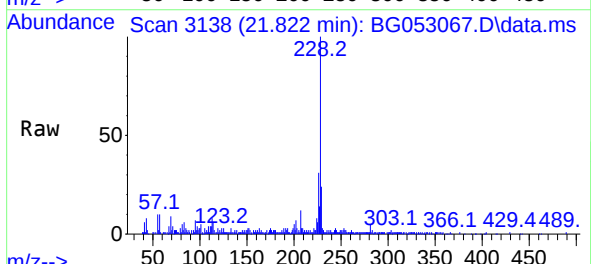
Tgt Ion:228 Resp: 8953
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.0
229 22.8 16.7 25.1

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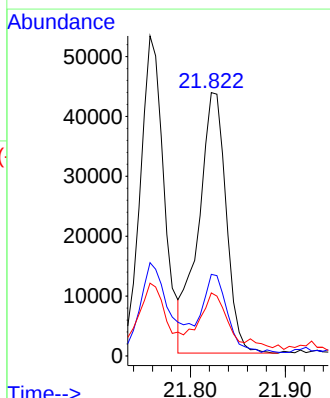
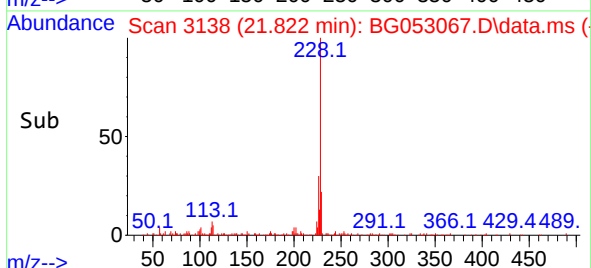
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

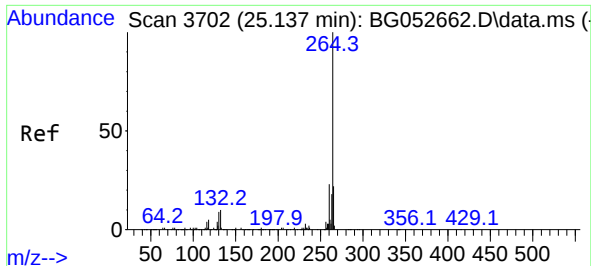


#83
Chrysene
Concen: 7.397 ng
RT: 21.822 min Scan# 3138
Delta R.T. -0.005 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59



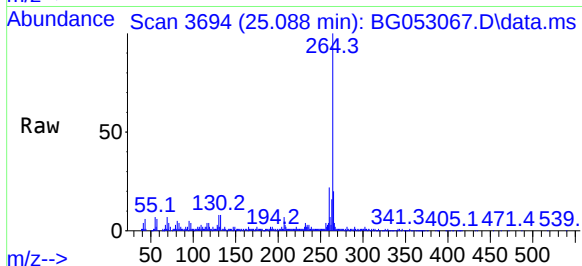
Tgt Ion:228 Resp: 88817
Ion Ratio Lower Upper
228 100
226 31.0 24.2 36.4
229 23.9 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.088 min Scan# 30
Delta R.T. 0.007 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

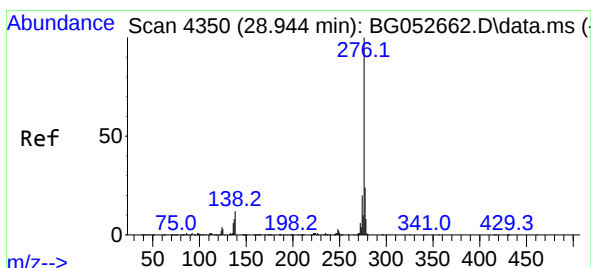
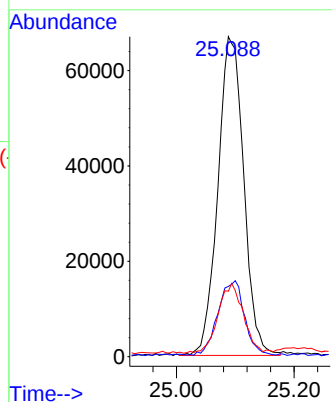
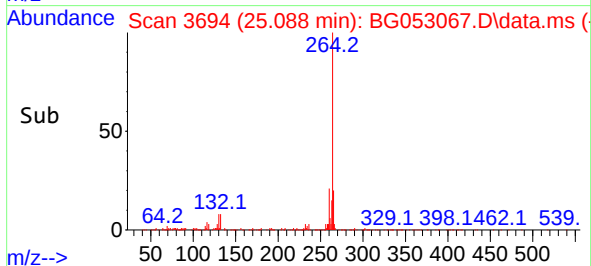
Instrument :
BNA_G
ClientSampleId :
OR-03-040522



Tgt Ion:264 Resp: 20366
Ion Ratio Lower Upper
264 100
260 21.9 18.2 27.2
265 20.5 15.1 22.7

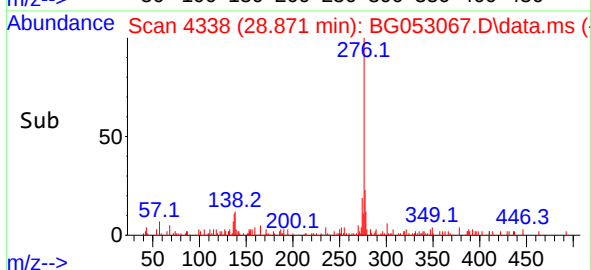
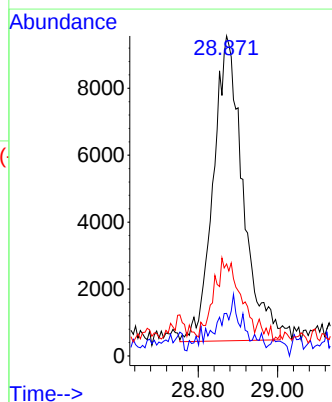
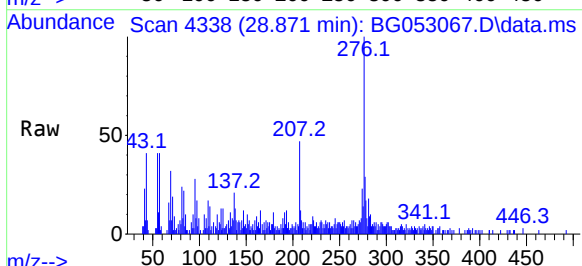
Manual Integrations
APPROVED

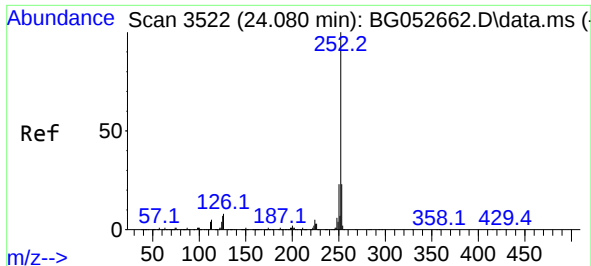
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.386 ng
RT: 28.871 min Scan# 4338
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

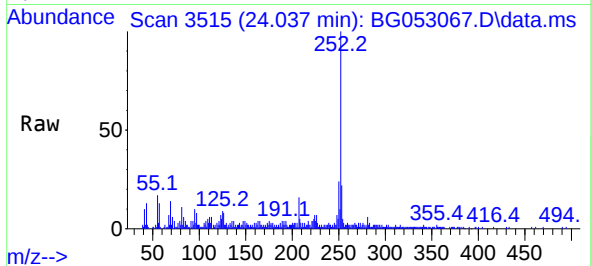
Tgt Ion:276 Resp: 47199
Ion Ratio Lower Upper
276 100
138 0.0 8.7 13.1#
277 22.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 8.323 ng
RT: 24.037 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

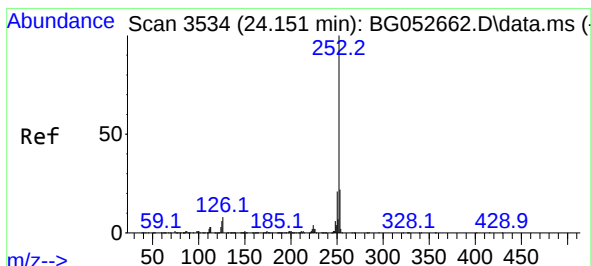
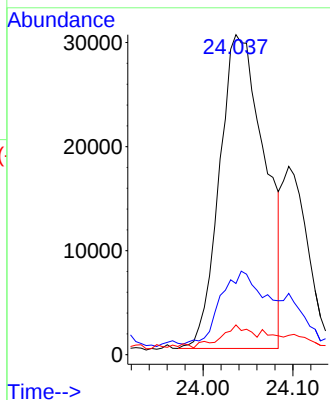
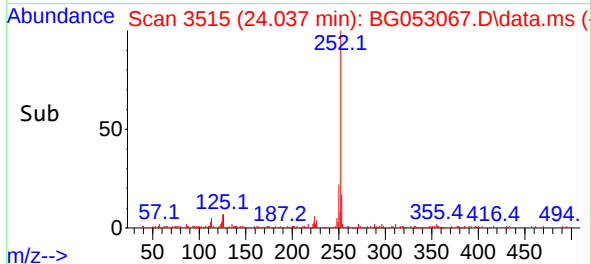
Instrument :
BNA_G
ClientSampleId :
OR-03-040522



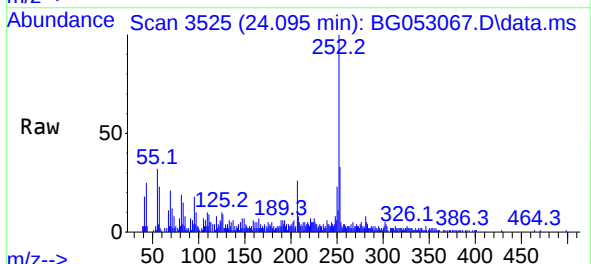
Tgt Ion:252 Resp: 10524
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 9.3 5.2 7.8

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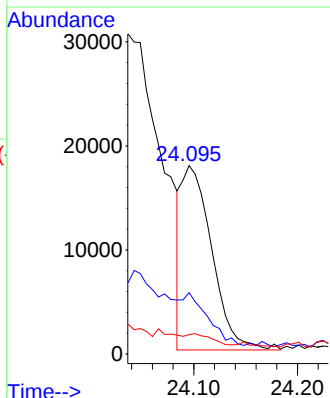
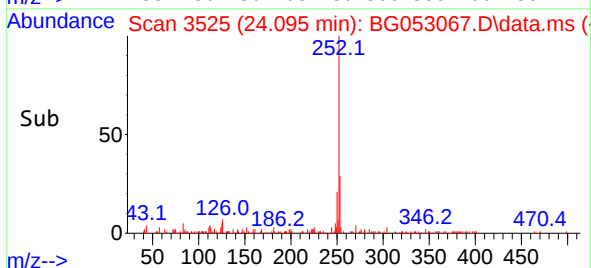
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

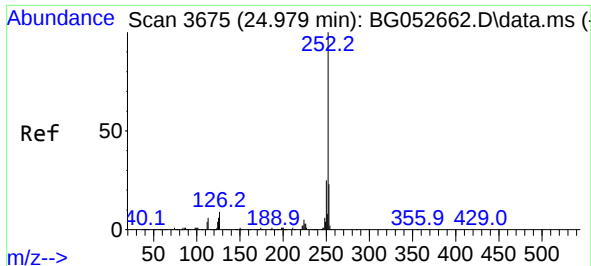


#89
Benzo(k)fluoranthene
Concen: 2.889 ng m
RT: 24.095 min Scan# 3525
Delta R.T. -0.005 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59



Tgt Ion:252 Resp: 35944
Ion Ratio Lower Upper
252 100
253 32.5 17.4 26.0#
125 10.3 5.0 7.4#





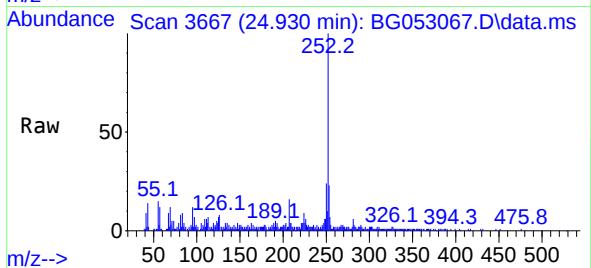
#90
Benzo(a)pyrene
Concen: 8.014 ng
RT: 24.930 min Scan# 30
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Instrument :

BNA_G

ClientSampleId :

OR-03-040522

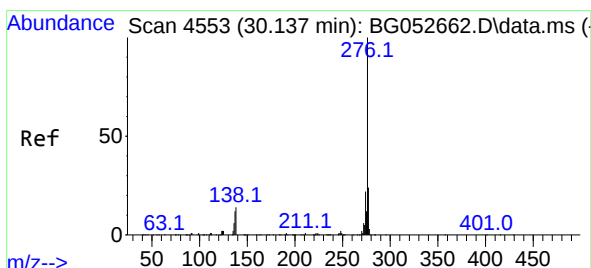
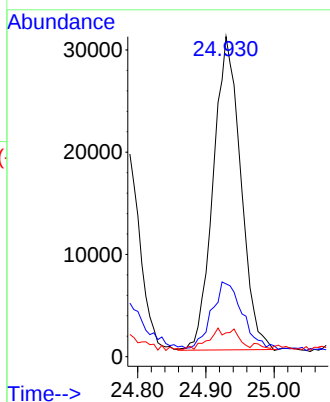
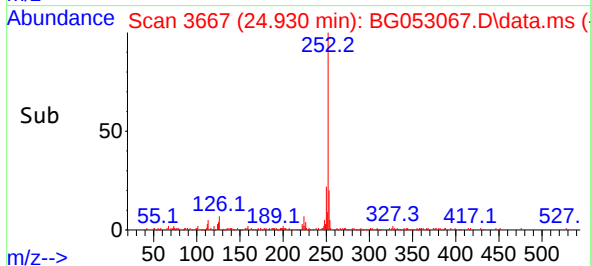


Tgt Ion:252 Resp: 8578
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 7.4 5.6 8.4

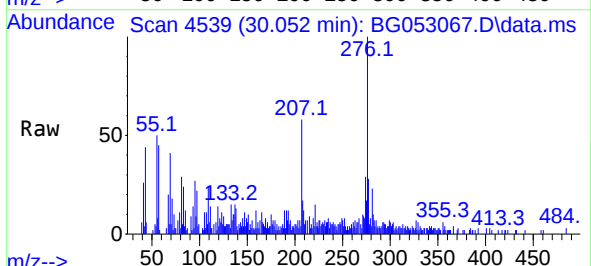
Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 3.937 ng
RT: 30.052 min Scan# 4539
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59



Tgt Ion:276 Resp: 44748
Ion Ratio Lower Upper
276 100
277 28.3 18.2 27.2#
138 12.6 9.1 13.7

