

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053761.D
 Acq On : 28 May 2022 21:51
 Operator : CG/JU
 Sample : N3072-03DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035DL

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

Quant Time: May 29 02:20:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 29 02:17:06 2022
 Response via : Initial Calibration

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 Upadhyay

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	56435	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	223562	20.000	ng	0.00
39) Acenaphthene-d10	14.593	164	155706	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	318951	20.000	ng	0.00
76) Chrysene-d12	21.601	240	289181	20.000	ng	# 0.00
86) Perylene-d12	24.779	264	301391	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	50791	15.274	ng	0.00
7) Phenol-d6	7.150	99	74817	14.825	ng	0.00
23) Nitrobenzene-d5	9.112	82	51886	9.880	ng	0.00
42) 2,4,6-Tribromophenol	16.091	330	28534	12.425	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	90716	8.514	ng	0.00
79) Terphenyl-d14	19.945	244	114776	7.392	ng	0.00

Target Compounds						
31) Naphthalene	10.810	128	69873	6.144	ng	97
37) 2-Methylnaphthalene	12.420	142	28182	3.321	ng	95
38) 1-Methylnaphthalene	12.637	142	21129	2.552	ng	89
52) Acenaphthene	14.652	154	66690	8.433	ng	98
55) Dibenzofuran	14.993	168	102845	7.241	ng	96
58) Fluorene	15.639	166	88277	7.745	ng	94
71) Phenanthrene	17.384	178	850727	52.456	ng	96
72) Anthracene	17.472	178	207318	13.005	ng	98
73) Carbazole	17.748	167	61446	3.933	ng	99
75) Fluoranthene	19.399	202	807086	38.434	ng	96
78) Pyrene	19.757	202	633484	33.840	ng	99
81) Benzo(a)anthracene	21.584	228	324095	17.571	ng	98
83) Chrysene	21.648	228	253298	14.704	ng	96
87) Indeno(1,2,3-cd)pyrene	28.410	276	91615	4.364	ng	# 93
88) Benzo(b)fluoranthene	23.781	252	252080	14.130	ng	# 93
89) Benzo(k)fluoranthene	23.834	252	93457m	5.331	ng	
90) Benzo(a)pyrene	24.627	252	184291	12.137	ng	# 96
92) Benzo(g,h,i)perylene	29.567	276	71048	4.144	ng	95

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

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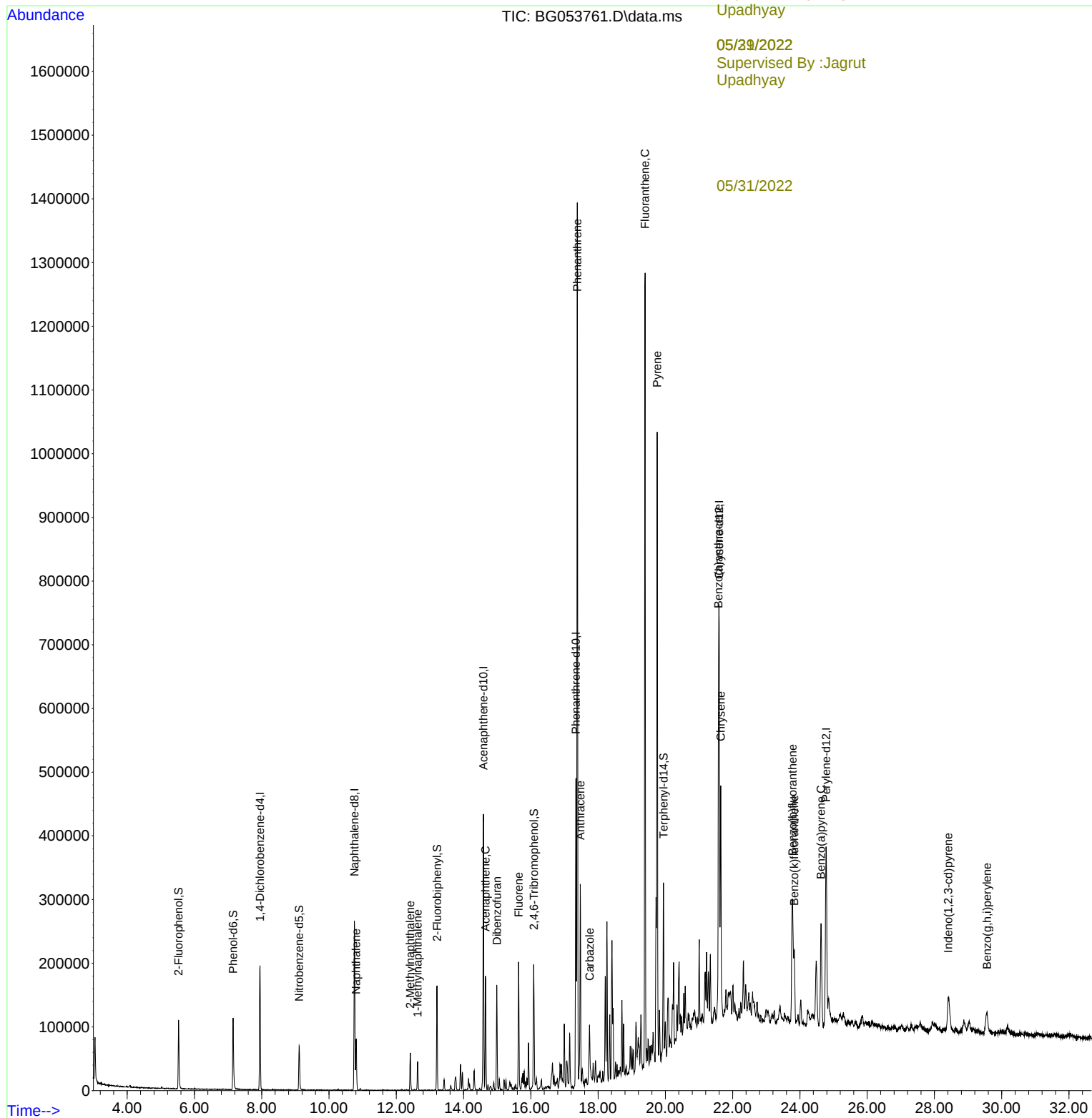
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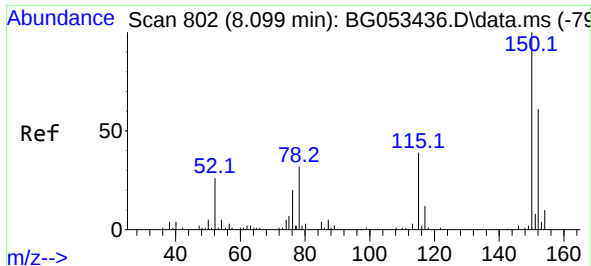
Reviewed By :Christian
Giraldo

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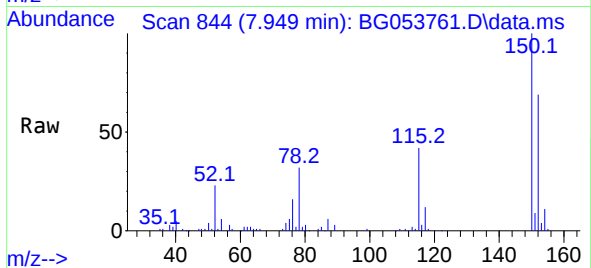
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL



Tgt Ion:152 Resp: 5643
Ion Ratio Lower Upper
152 100
150 145.8 131.6 197.4
115 61.3 50.9 76.3

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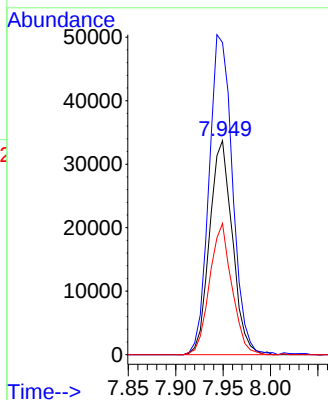
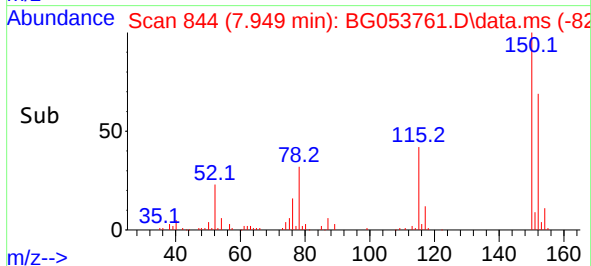
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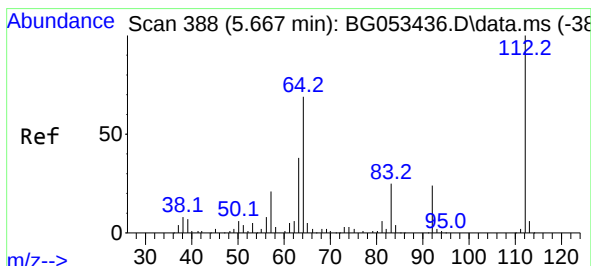
Supervised By :Jagrut
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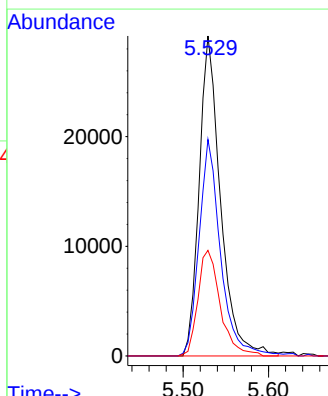
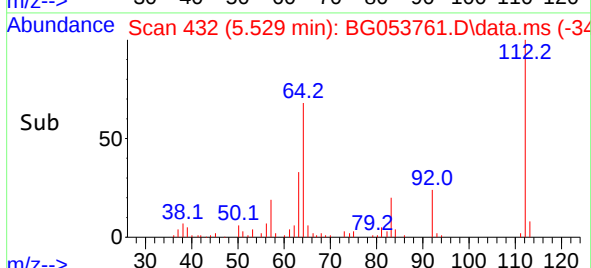
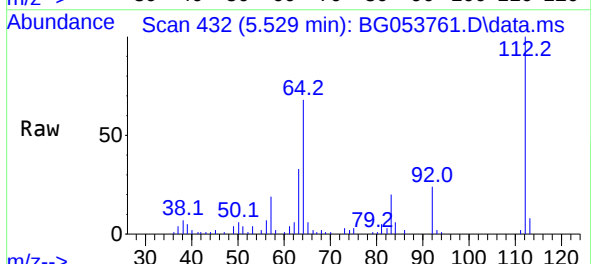


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#5
2-Fluorophenol
Concen: 15.274 ng
RT: 5.529 min Scan# 432
Delta R.T. 0.004 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:112 Resp: 50791
Ion Ratio Lower Upper
112 100
64 67.7 55.1 82.7
63 33.0 30.4 45.6





#7
Phenol-d6
Concen: 14.825 ng
RT: 7.150 min Scan# 708
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
PSC-124035DL

Tgt Ion: 99 Resp: 7481

Ion	Ratio	Lower	Upper
99	100		
42	17.7	17.0	25.6
71	35.7	33.8	50.8

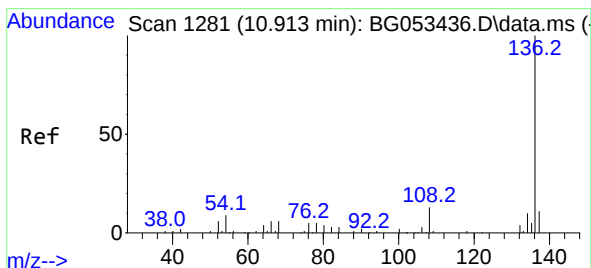
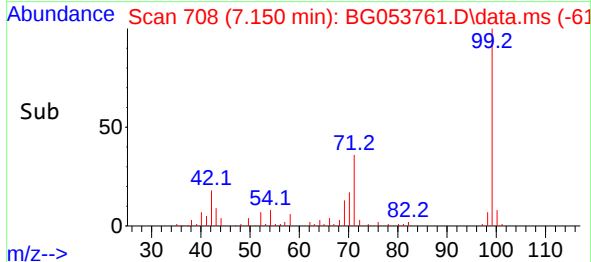
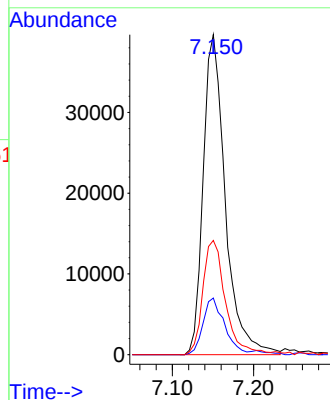
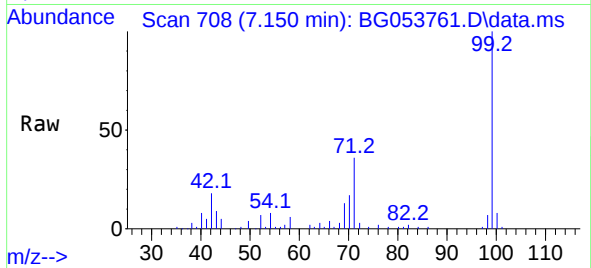
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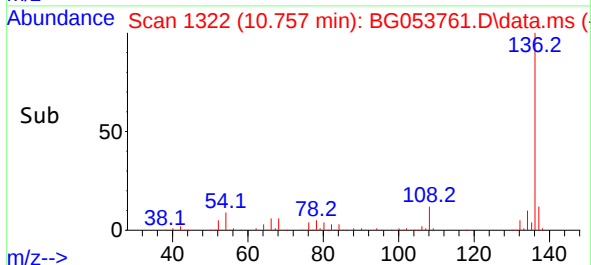
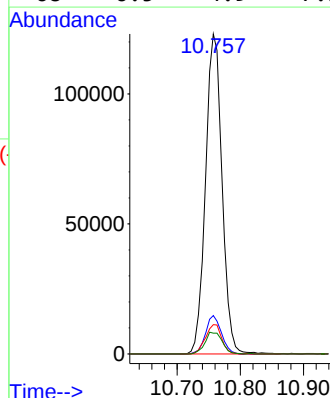
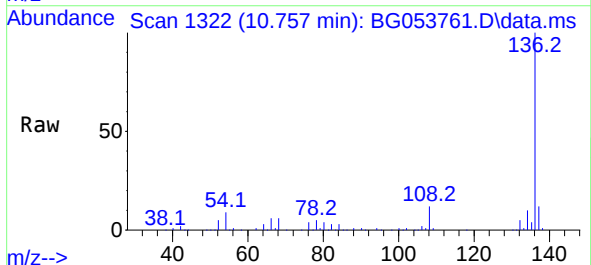
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1322
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:136 Resp: 223562

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.5	12.7
54	9.1	7.4	11.2
68	6.5	4.9	7.3





#23

Nitrobenzene-d5

Concen: 9.880 ng

RT: 9.112 min Scan# 10

Delta R.T. -0.008 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL

Tgt Ion: 82 Resp: 5188

Ion	Ratio	Lower	Upper
82	100		
128	36.0	27.9	41.9
54	42.7	41.2	61.8

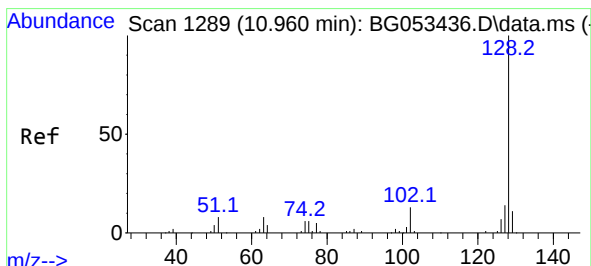
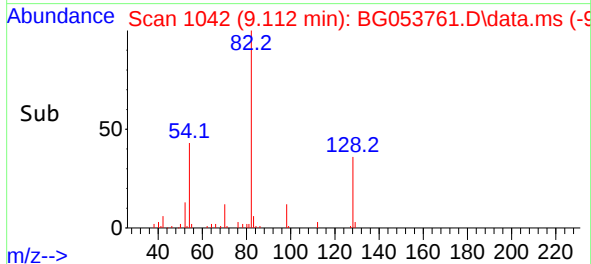
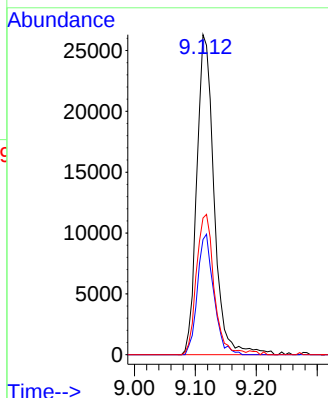
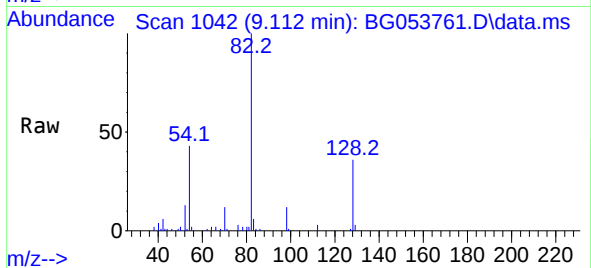
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#31

Naphthalene

Concen: 6.144 ng

RT: 10.810 min Scan# 1331

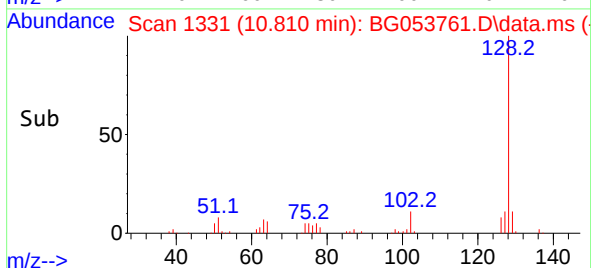
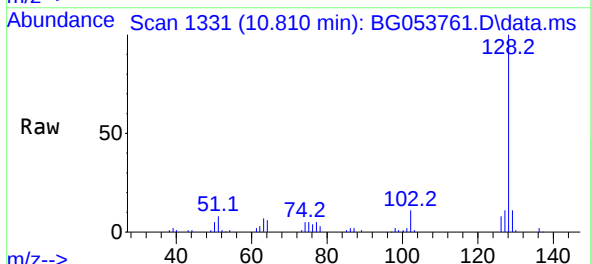
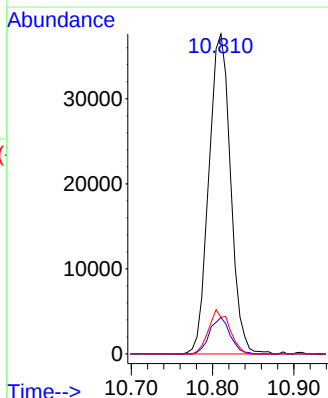
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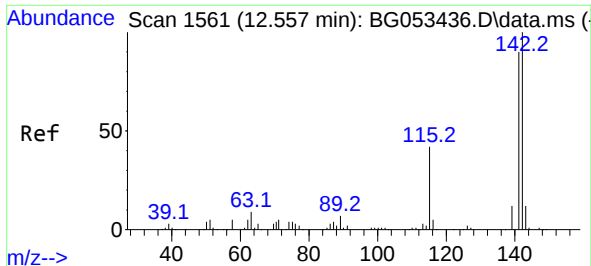
Lab File: BG053761.D

Acq: 28 May 2022 21:51

Tgt Ion:128 Resp: 69873

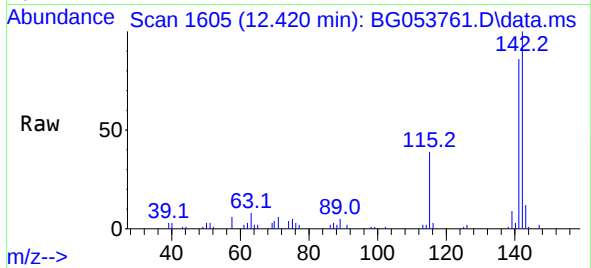
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	11.4	11.1	16.7





#37
2-Methylnaphthalene
Concen: 3.321 ng
RT: 12.420 min Scan# 1605
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
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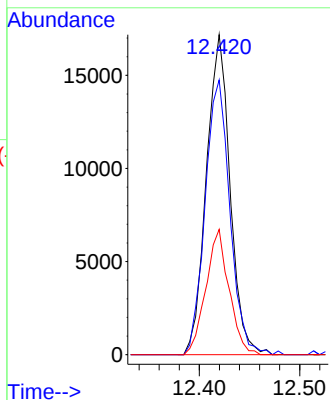
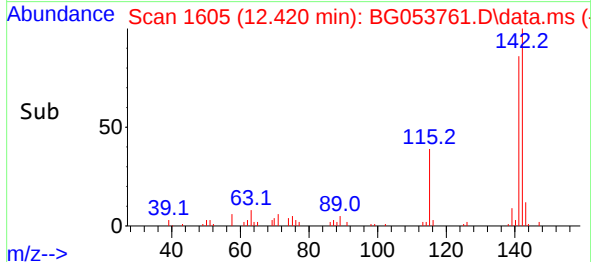
Tgt Ion:142 Resp: 2818
Ion Ratio Lower Upper
142 100
141 85.9 72.3 108.5
115 39.2 33.7 50.5

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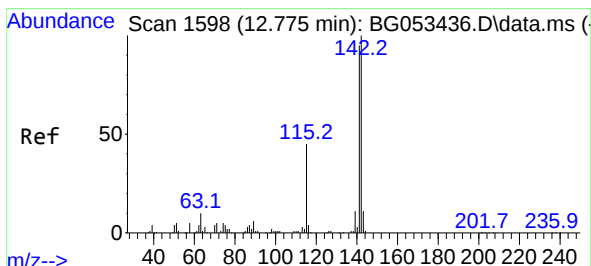
Reviewed By :Christian
Giraldo

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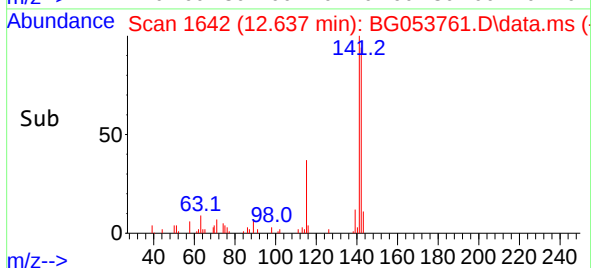
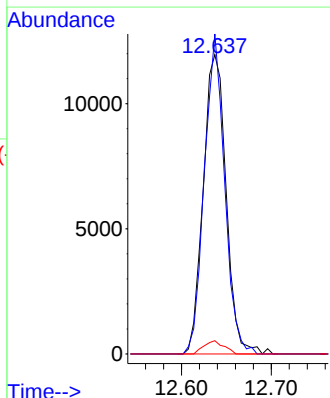
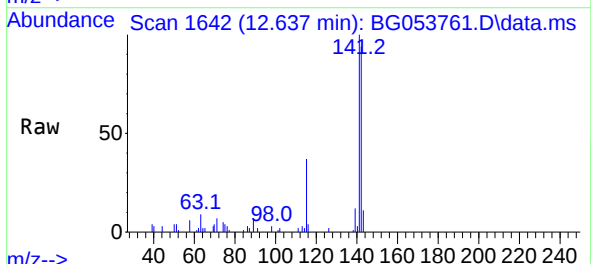


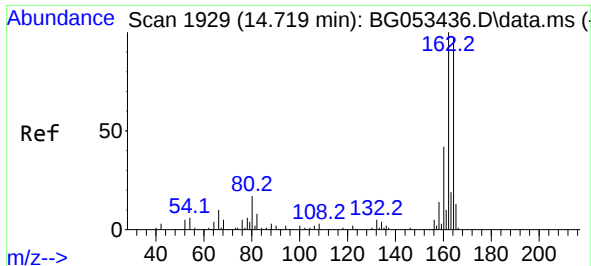
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#38
1-Methylnaphthalene
Concen: 2.552 ng
RT: 12.637 min Scan# 1642
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

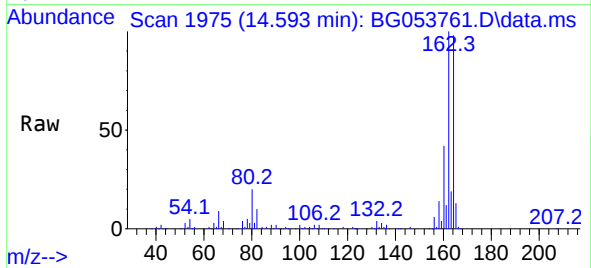
Tgt Ion:142 Resp: 21129
Ion Ratio Lower Upper
142 100
141 106.9 76.4 114.6
116 4.4 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.593 min Scan# 1929
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
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ClientSampleId :
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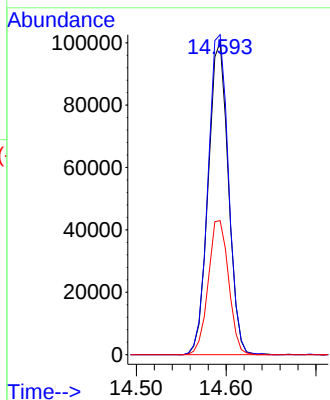
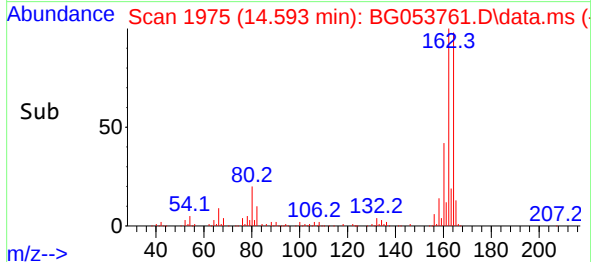
Tgt Ion:164 Resp: 155700
Ion Ratio Lower Upper
164 100
162 102.4 82.3 123.5
160 42.9 34.2 51.2

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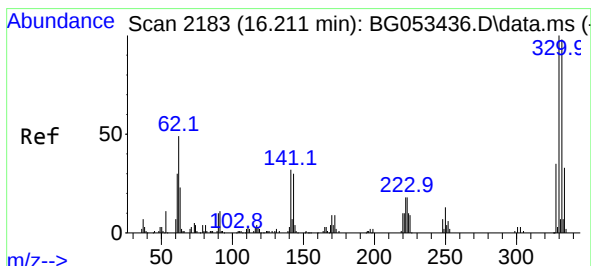
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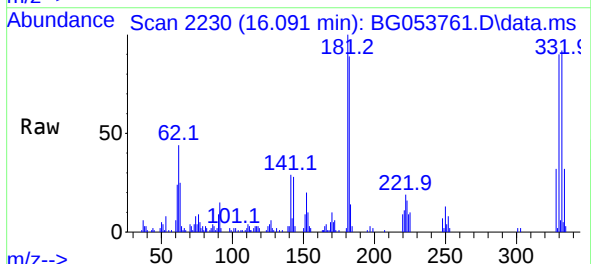
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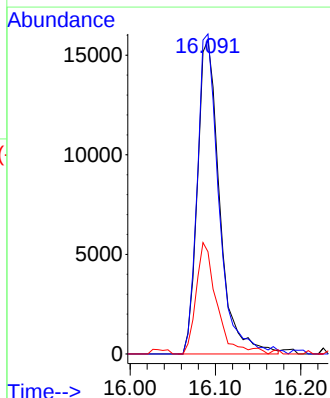
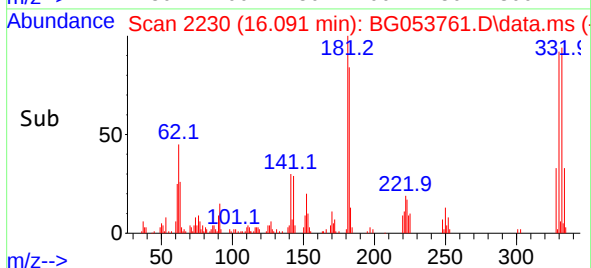
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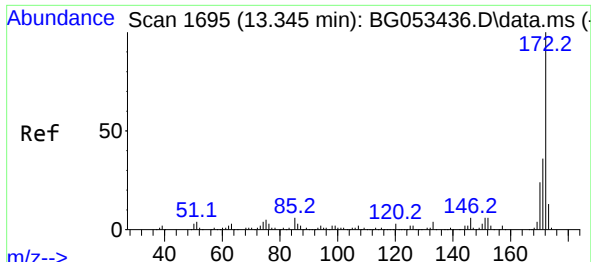


#42
2,4,6-Tribromophenol
Concen: 12.425 ng
RT: 16.091 min Scan# 2230
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51



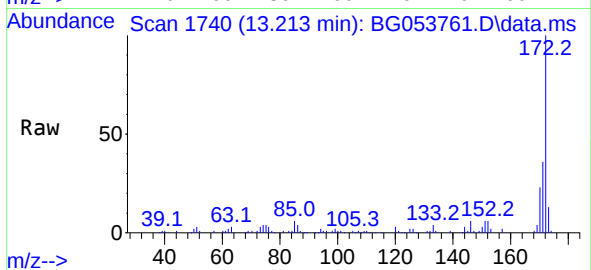
Tgt Ion:330 Resp: 28534
Ion Ratio Lower Upper
330 100
332 99.5 76.0 114.0
141 32.8 27.1 40.7





#45
2-Fluorobiphenyl
Concen: 8.514 ng
RT: 13.213 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
PSC-124035DL



Tgt Ion:172 Resp: 90710
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.0 18.9 28.3

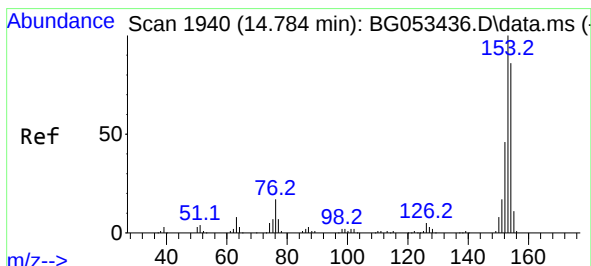
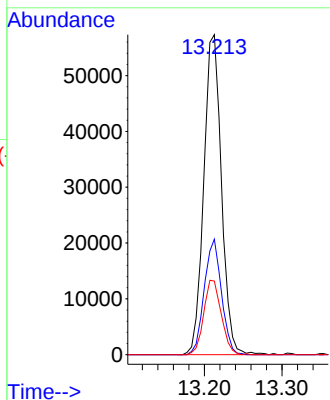
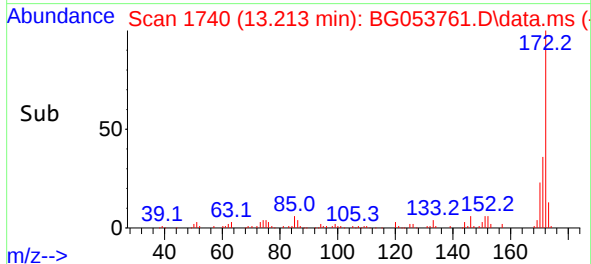
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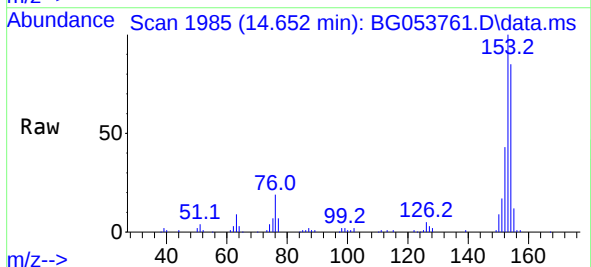
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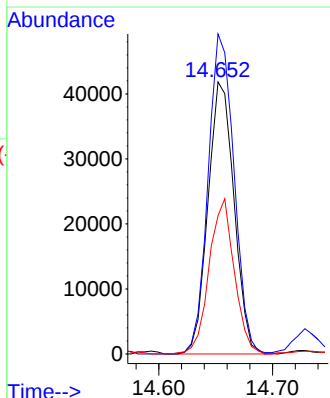
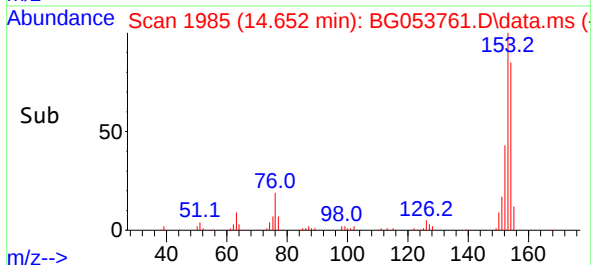
05/31/2022

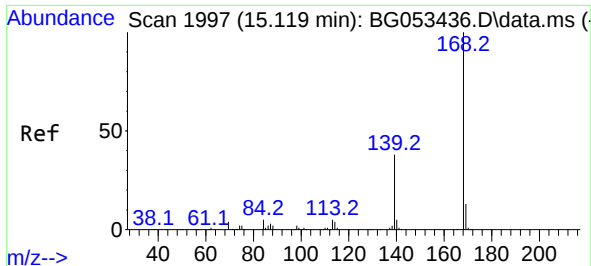


#52
Acenaphthene
Concen: 8.433 ng
RT: 14.652 min Scan# 1985
Delta R.T. -0.008 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51



Tgt Ion:154 Resp: 66690
Ion Ratio Lower Upper
154 100
153 117.6 92.7 139.1
152 50.8 42.6 64.0





#55
Dibenzenofuran
Concen: 7.241 ng
RT: 14.993 min Scan# 2043
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
PSC-124035DL

Tgt Ion:168 Resp: 10284
Ion Ratio Lower Upper
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139 34.8 30.5 45.7
169 13.1 10.3 15.5

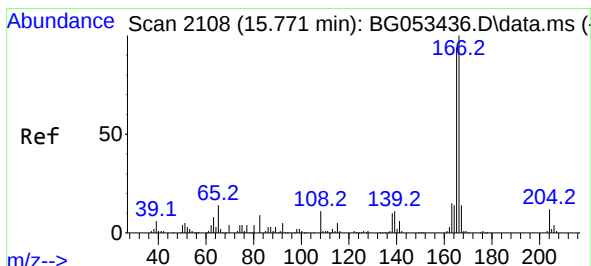
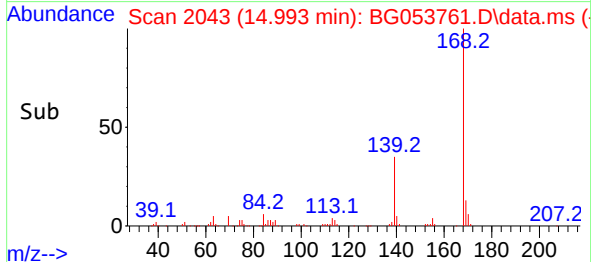
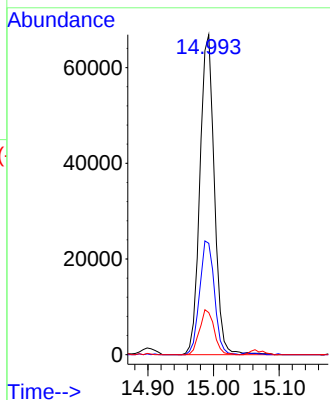
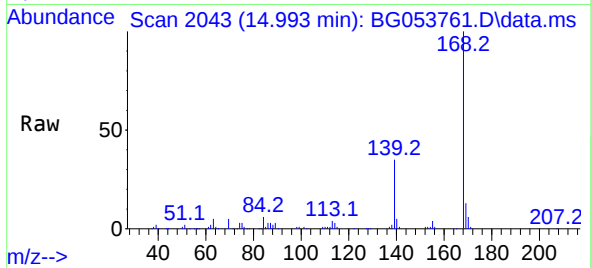
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05/29/2022
Supervised By :Jagrut
Upadhyay

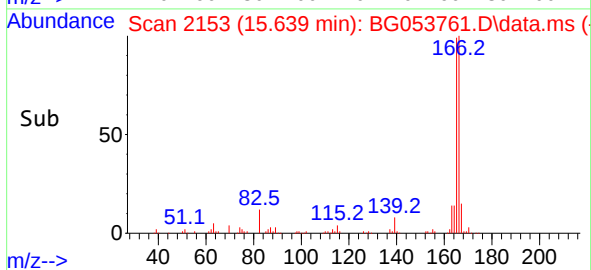
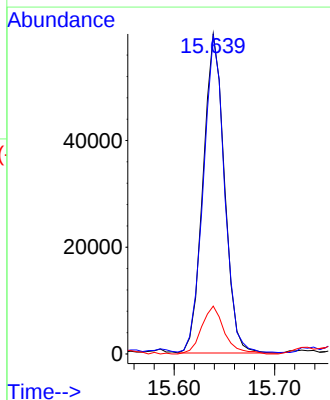
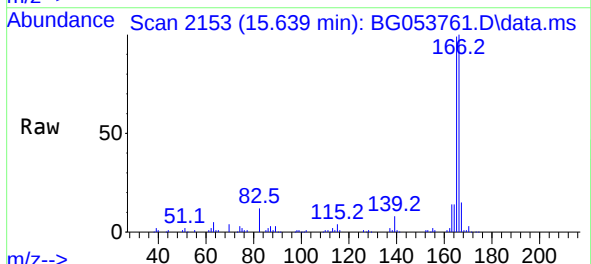
05/29/2022
Supervised By :Jagrut
Upadhyay

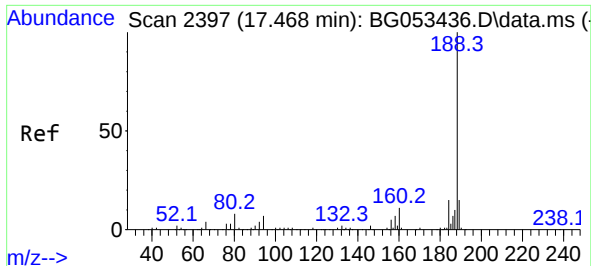
05/31/2022



#58
Fluorene
Concen: 7.745 ng
RT: 15.639 min Scan# 2153
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

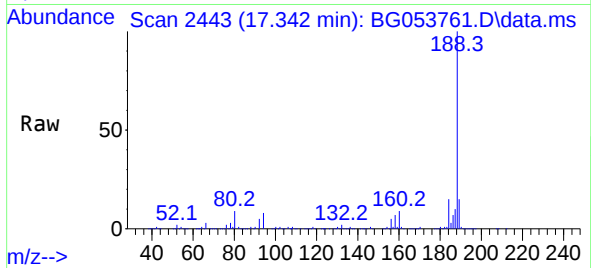
Tgt Ion:166 Resp: 88277
Ion Ratio Lower Upper
166 100
165 99.4 75.0 112.6
167 15.0 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2443
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
PSC-124035DL



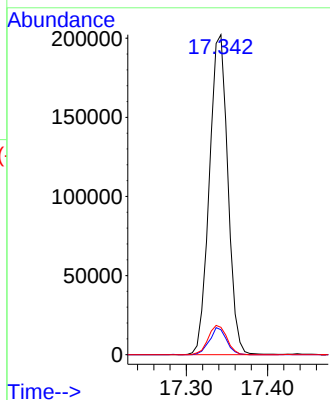
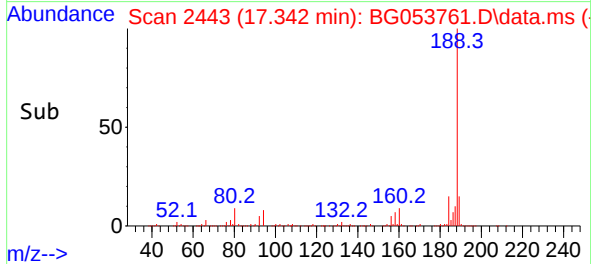
Tgt Ion:188 Resp: 31895
Ion Ratio Lower Upper
188 100
94 7.8 5.4 8.0
80 8.6 6.8 10.2

Manual Integrations
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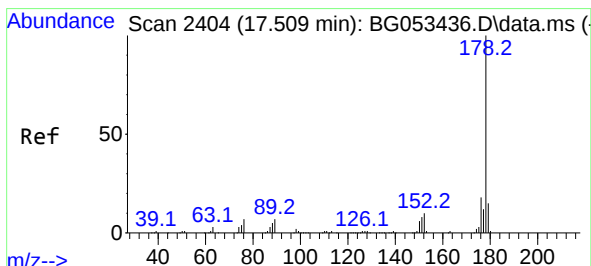
Reviewed By :Christian
Giraldo

05/29/2022
Supervised By :Jagrut
Upadhyay

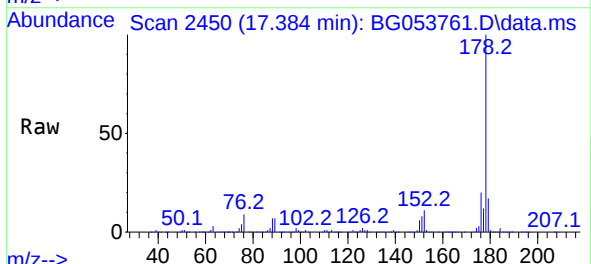
05/29/2022
Supervised By :Jagrut
Upadhyay



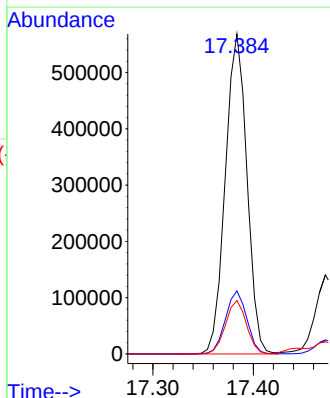
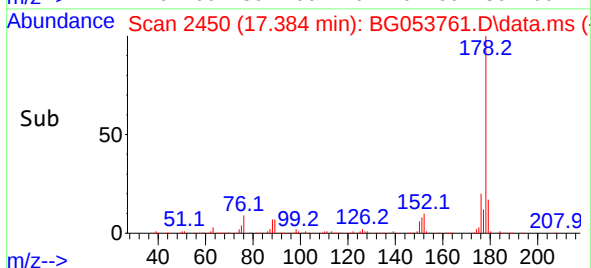
05/31/2022

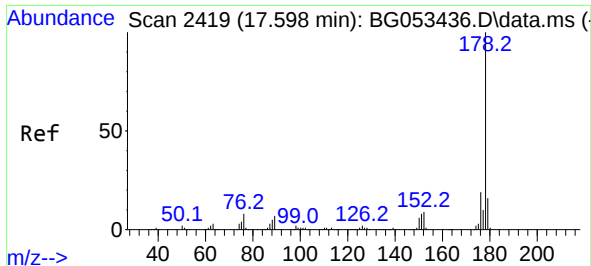


#71
Phenanthrene
Concen: 52.456 ng
RT: 17.384 min Scan# 2450
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51



Tgt Ion:178 Resp: 850727
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.7 12.1 18.1





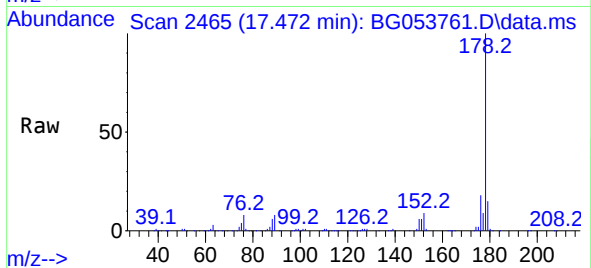
#72
 Anthracene
 Concen: 13.005 ng
 RT: 17.472 min Scan# 2419
 Delta R.T. -0.002 min
 Lab File: BG053761.D
 Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL



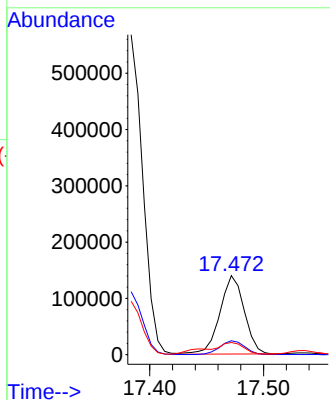
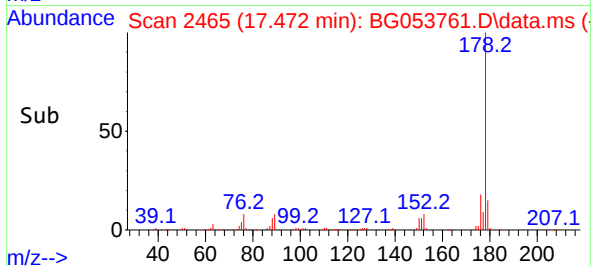
Tgt Ion:178 Resp: 207318
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.2 22.8
 179 15.3 13.0 19.4

Manual Integrations
 APPROVED

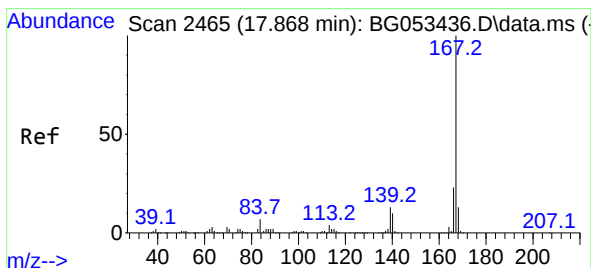
Reviewed By :Christian
 Giraldo

05/29/2022
 Supervised By :Jagrut
 Upadhyay

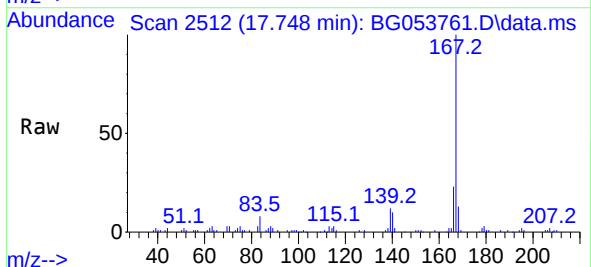
05/29/2022
 Supervised By :Jagrut
 Upadhyay



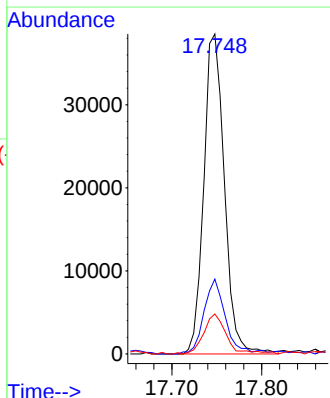
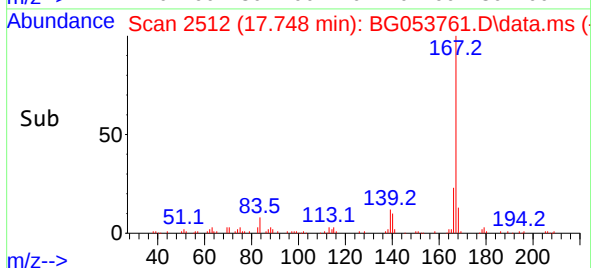
05/31/2022

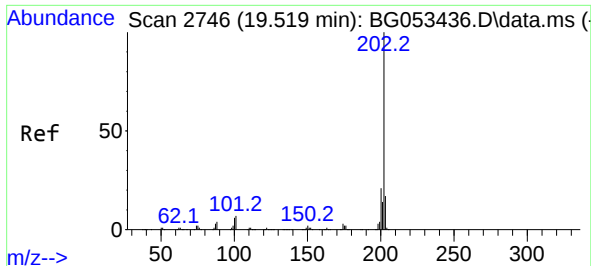


#73
 Carbazole
 Concen: 3.933 ng
 RT: 17.748 min Scan# 2512
 Delta R.T. -0.002 min
 Lab File: BG053761.D
 Acq: 28 May 2022 21:51



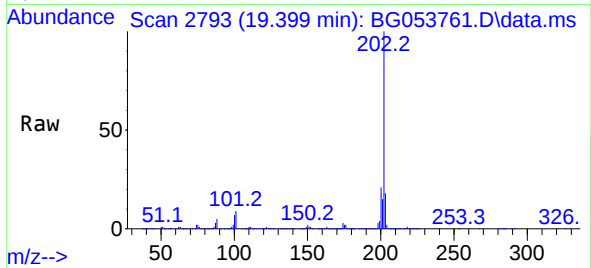
Tgt Ion:167 Resp: 61446
 Ion Ratio Lower Upper
 167 100
 166 23.4 18.2 27.2
 139 12.5 10.1 15.1





#75
Fluoranthene
Concen: 38.434 ng
RT: 19.399 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
PSC-124035DL



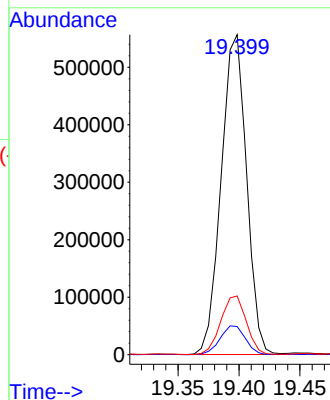
Tgt Ion:202 Resp: 807080
Ion Ratio Lower Upper
202 100
101 8.8 0.0 26.9
203 18.4 0.0 37.2

Manual Integrations
APPROVED

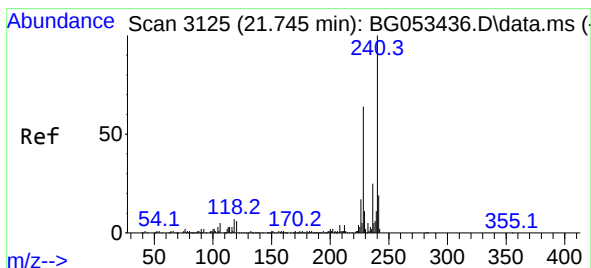
Reviewed By :Christian
Giraldo

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Supervised By :Jagrut
Upadhyay

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Supervised By :Jagrut
Upadhyay

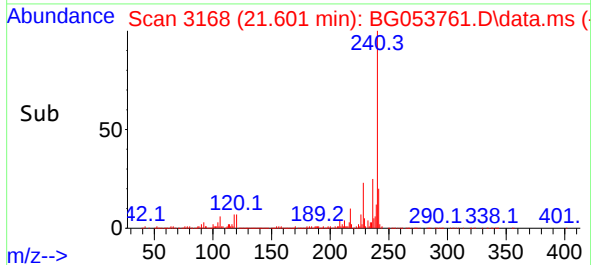
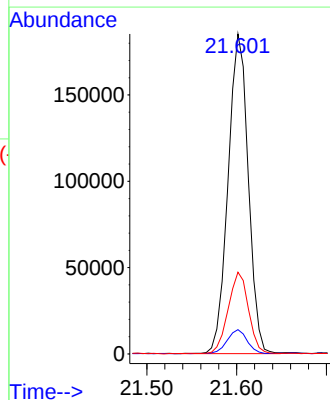
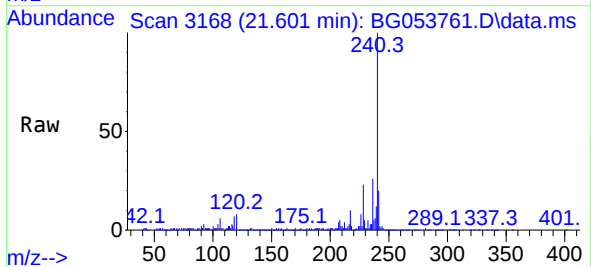


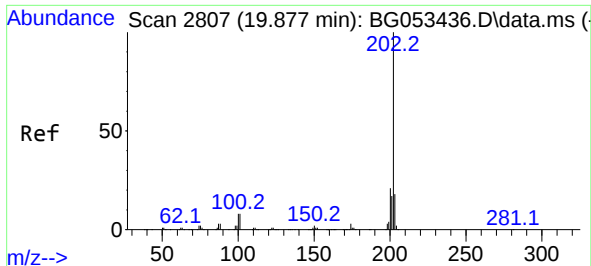
05/31/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.601 min Scan# 3168
Delta R.T. -0.008 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

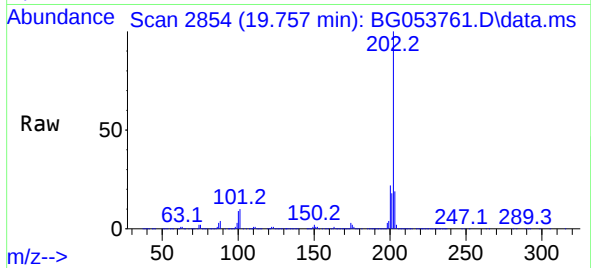
Tgt Ion:240 Resp: 289181
Ion Ratio Lower Upper
240 100
120 7.6 4.6 7.0#
236 25.5 20.2 30.4





#78
Pyrene
Concen: 33.840 ng
RT: 19.757 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
PSC-124035DL



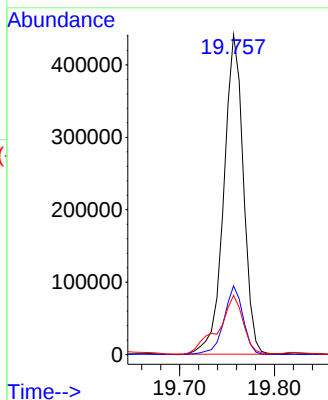
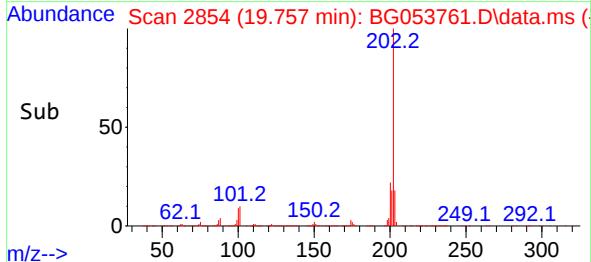
Tgt Ion:202 Resp: 633484
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 18.5 14.6 21.8

Manual Integrations
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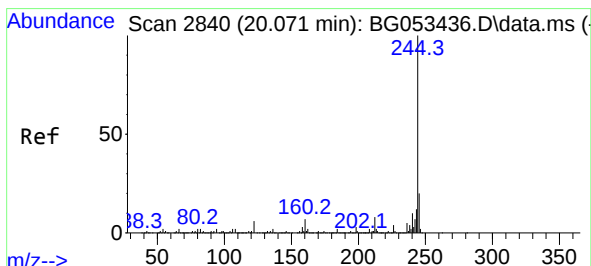
Reviewed By :Christian
Giraldo

05/29/2022
Supervised By :Jagrut
Upadhyay

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Supervised By :Jagrut
Upadhyay

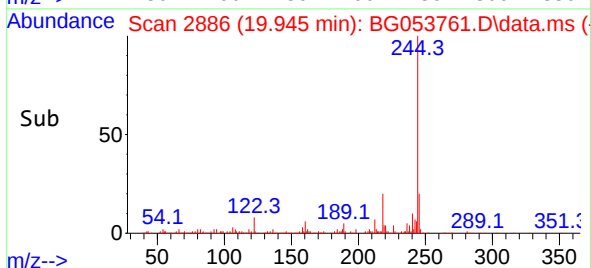
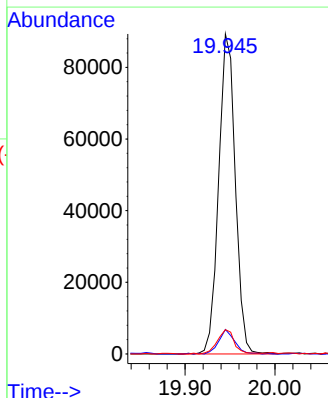
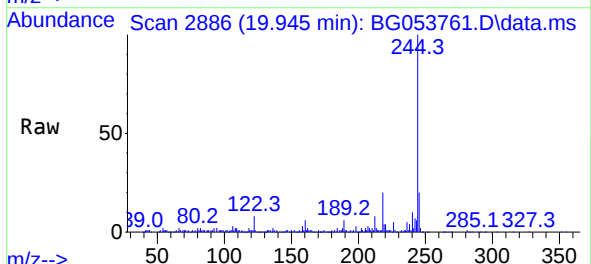


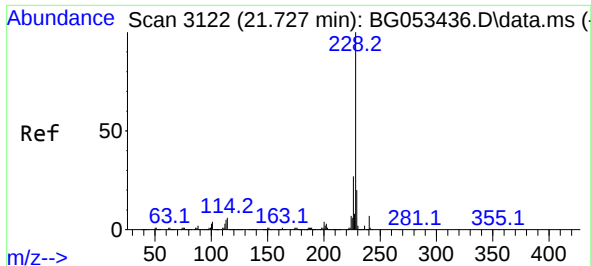
05/31/2022



#79
Terphenyl-d14
Concen: 7.392 ng
RT: 19.945 min Scan# 2886
Delta R.T. -0.008 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:244 Resp: 114776
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 7.6 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 17.571 ng
RT: 21.584 min Scan# 3116
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL

Tgt Ion:228 Resp: 324095
Ion Ratio Lower Upper
228 100
226 28.4 21.6 32.4
229 21.0 16.2 24.2

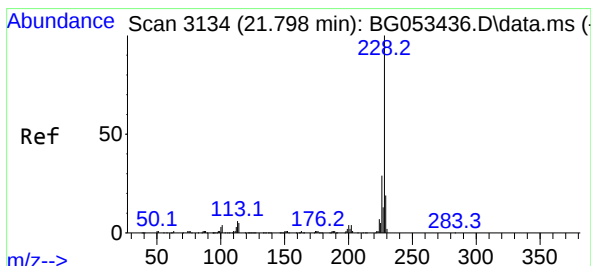
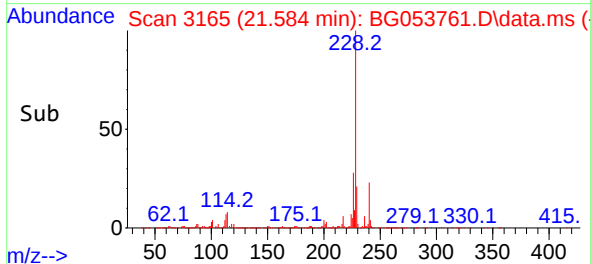
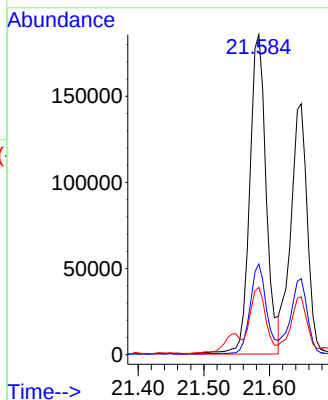
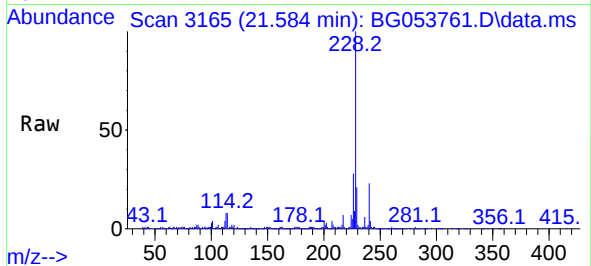
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

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Supervised By :Jagrut
Upadhyay

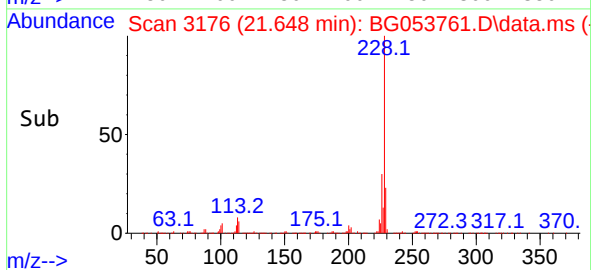
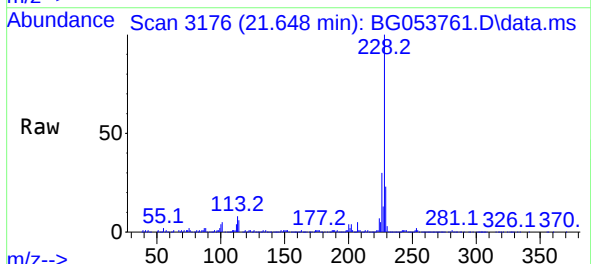
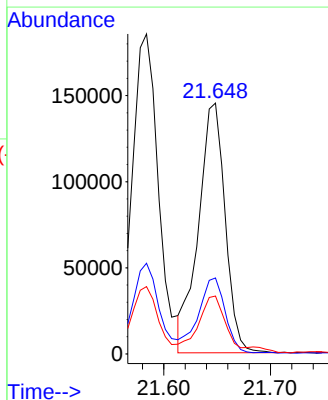
05/29/2022
Supervised By :Jagrut
Upadhyay

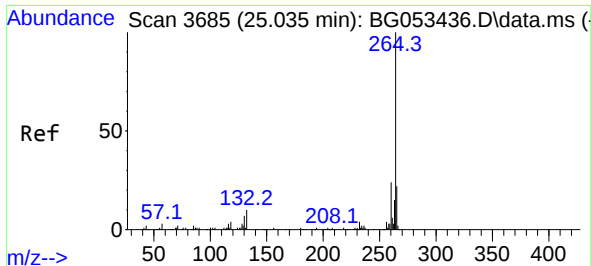
05/31/2022



#83
Chrysene
Concen: 14.704 ng
RT: 21.648 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

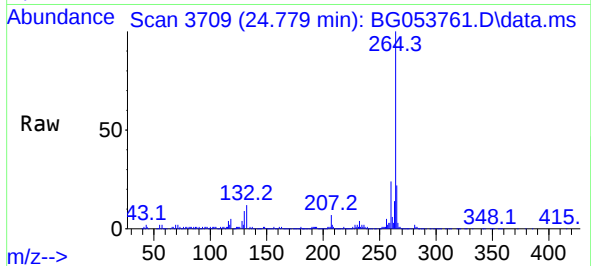
Tgt Ion:228 Resp: 253298
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.2
229 23.1 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.779 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
PSC-124035DL



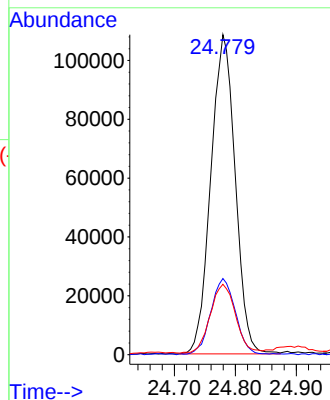
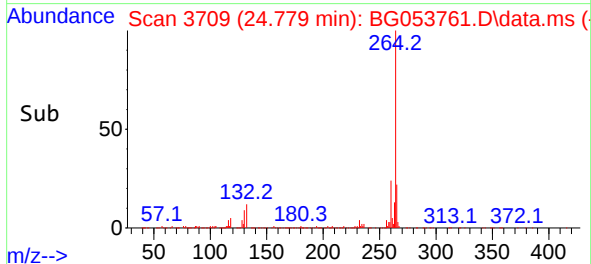
Tgt Ion:264 Resp: 30139
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 22.0 17.4 26.2

Manual Integrations
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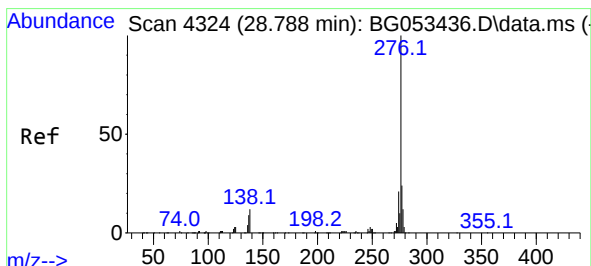
Reviewed By :Christian
Giraldo

05/29/2022
Supervised By :Jagrut
Upadhyay

05/29/2022
Supervised By :Jagrut
Upadhyay

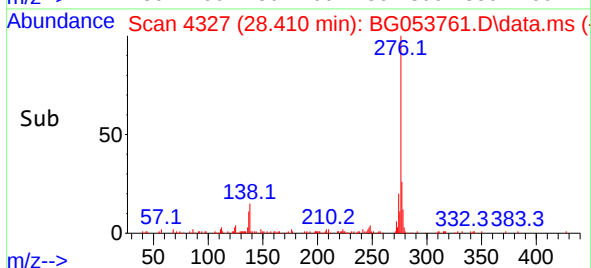
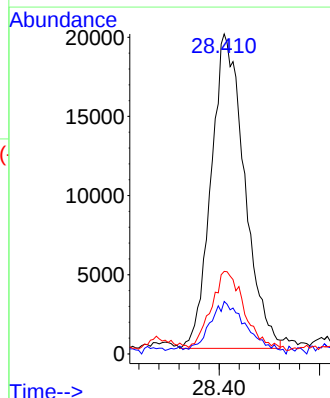
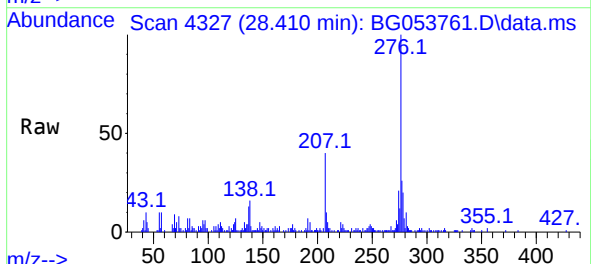


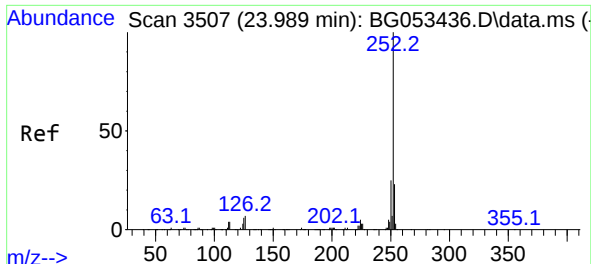
05/31/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.364 ng
RT: 28.410 min Scan# 4327
Delta R.T. -0.026 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

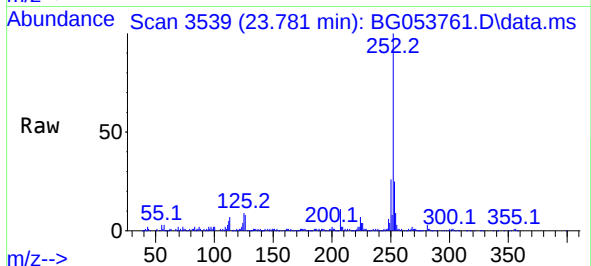
Tgt Ion:276 Resp: 91615
Ion Ratio Lower Upper
276 100
138 18.8 5.0 7.4#
277 25.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 14.130 ng
RT: 23.781 min Scan# 3539
Delta R.T. 0.004 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :
BNA_G
ClientSampleId :
PSC-124035DL



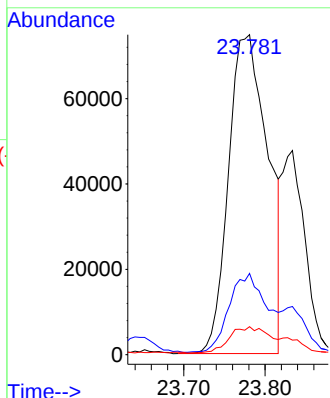
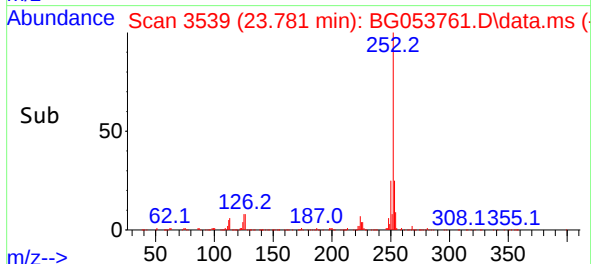
Tgt Ion:252 Resp: 252080
Ion Ratio Lower Upper
252 100
253 25.4 18.0 27.0
125 8.7 4.6 6.8

Manual Integrations
APPROVED

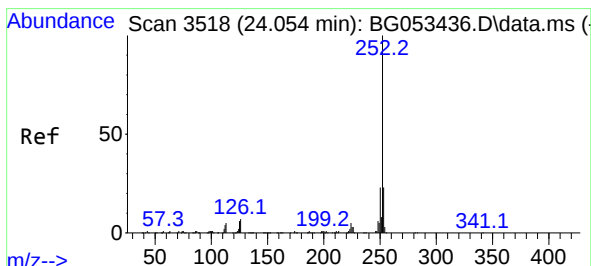
Reviewed By :Christian
Giraldo

05/29/2022
Supervised By :Jagrut
Upadhyay

05/29/2022
Supervised By :Jagrut
Upadhyay

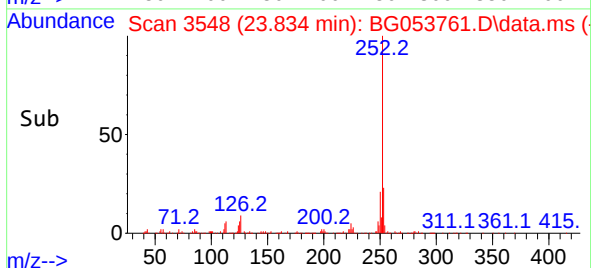
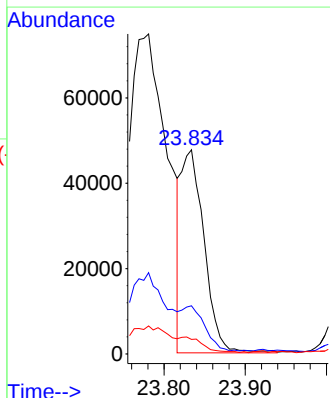
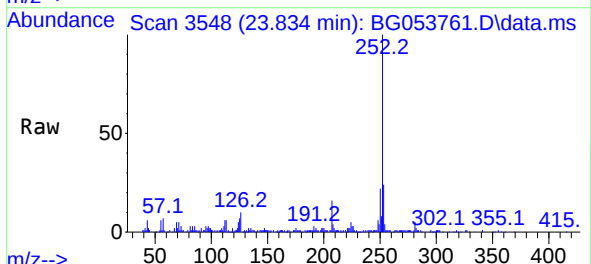


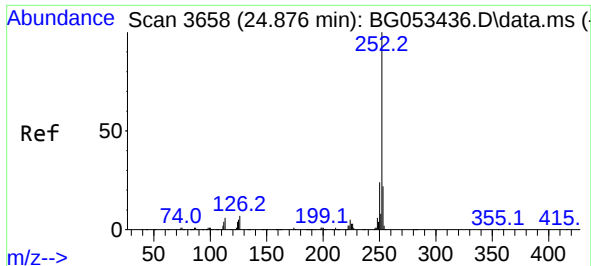
05/31/2022



#89
Benzo(k)fluoranthene
Concen: 5.331 ng m
RT: 23.834 min Scan# 3548
Delta R.T. -0.008 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:252 Resp: 93457
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 7.2 4.8 7.2





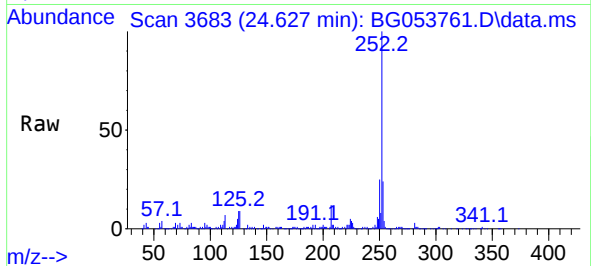
#90
Benzo(a)pyrene
Concen: 12.137 ng
RT: 24.627 min Scan# 3683
Delta R.T. -0.014 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL



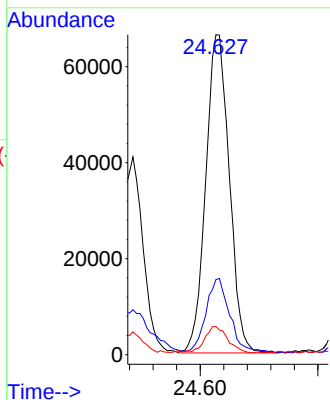
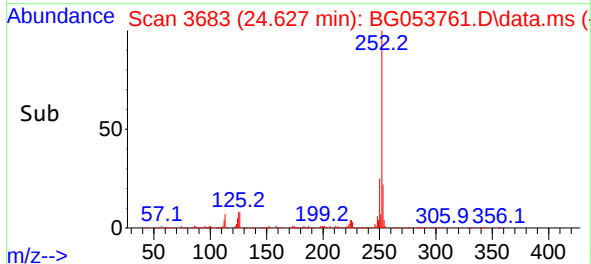
Tgt Ion:252 Resp: 18429
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 8.8 4.3 6.5

Manual Integrations
APPROVED

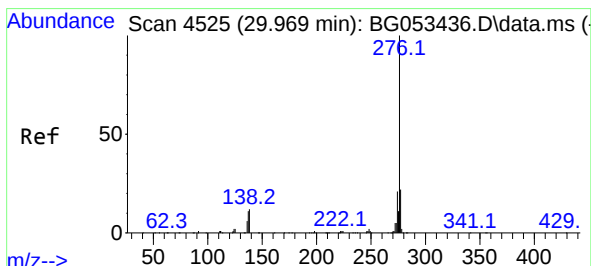
Reviewed By :Christian
Giraldo

05/29/2022
Supervised By :Jagrut
Upadhyay

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Supervised By :Jagrut
Upadhyay



05/31/2022



#92
Benzo(g,h,i)perylene
Concen: 4.144 ng
RT: 29.567 min Scan# 4524
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:276 Resp: 71048
Ion Ratio Lower Upper
276 100
277 25.0 17.3 25.9
138 12.7 9.6 14.4

