

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042523\
 Data File : BG057181.D
 Acq On : 25 Apr 2023 18:02
 Operator : CG/JU
 Sample : 02386-15DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPA-4WC-23-04DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/26/2023
 Supervised By : Jagrut Upadhyay 04/26/2023

Quant Time: Apr 26 00:24:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 04:59:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.387	152	17710	20.000	ng	0.00
21) Naphthalene-d8	11.224	136	71486	20.000	ng	0.00
39) Acenaphthene-d10	15.002	164	47516	20.000	ng	0.00
64) Phenanthrene-d10	17.739	188	98987	20.000	ng	0.00
76) Chrysene-d12	22.063	240	93423	20.000	ng	0.00
86) Perylene-d12	25.599	264	106040	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.902	112	14038	14.364	ng	0.00
7) Phenol-d6	7.518	99	21724	15.364	ng	0.00
23) Nitrobenzene-d5	9.562	82	15464	10.694	ng	0.00
42) 2,4,6-Tribromophenol	16.482	330	8684	13.852	ng	0.00
45) 2-Fluorobiphenyl	13.621	172	34902	9.871	ng	0.00
79) Terphenyl-d14	20.312	244	52919	9.908	ng	0.00
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	8.275	146	14079	11.609	ng	92
13) 1,4-Dichlorobenzene	8.422	146	54295	44.422	ng	97
14) 1,2-Dichlorobenzene	8.745	146	64909	55.003	ng	96
27) 2,4-Dimethylphenol	10.361	122	5569m	5.342	ng	
30) 1,2,4-Trichlorobenzene	11.083	180	47802	33.661	ng	98
31) Naphthalene	11.277	128	110817	29.186	ng	99
37) 2-Methylnaphthalene	12.852	142	97569	32.654	ng	97
38) 1-Methylnaphthalene	13.069	142	55438	20.097	ng	# 96
46) 1,1'-Biphenyl	13.833	154	80307	22.674	ng	96
58) Fluorene	16.041	166	13925	3.850	ng	# 90
66) n-Nitrosodiphenylamine	16.229	169	21260	8.231	ng	# 81
71) Phenanthrene	17.780	178	56276m	11.136	ng	
72) Anthracene	17.874	178	86823	16.992	ng	96
74) Di-n-butylphthalate	18.655	149	17165	4.278	ng	# 77
75) Fluoranthene	19.772	202	33830	5.388	ng	89
78) Pyrene	20.136	202	37637	5.934	ng	# 89
80) Butylbenzylphthalate	20.988	149	22253	15.781	ng	# 35
83) Chrysene	22.110	228	18030m	2.911	ng	
84) Bis(2-ethylhexyl)phtha...	21.904	149	1229287	438.598	ng	# 98
85) Di-n-octyl phthalate	23.196	149	99807m	23.820	ng	

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

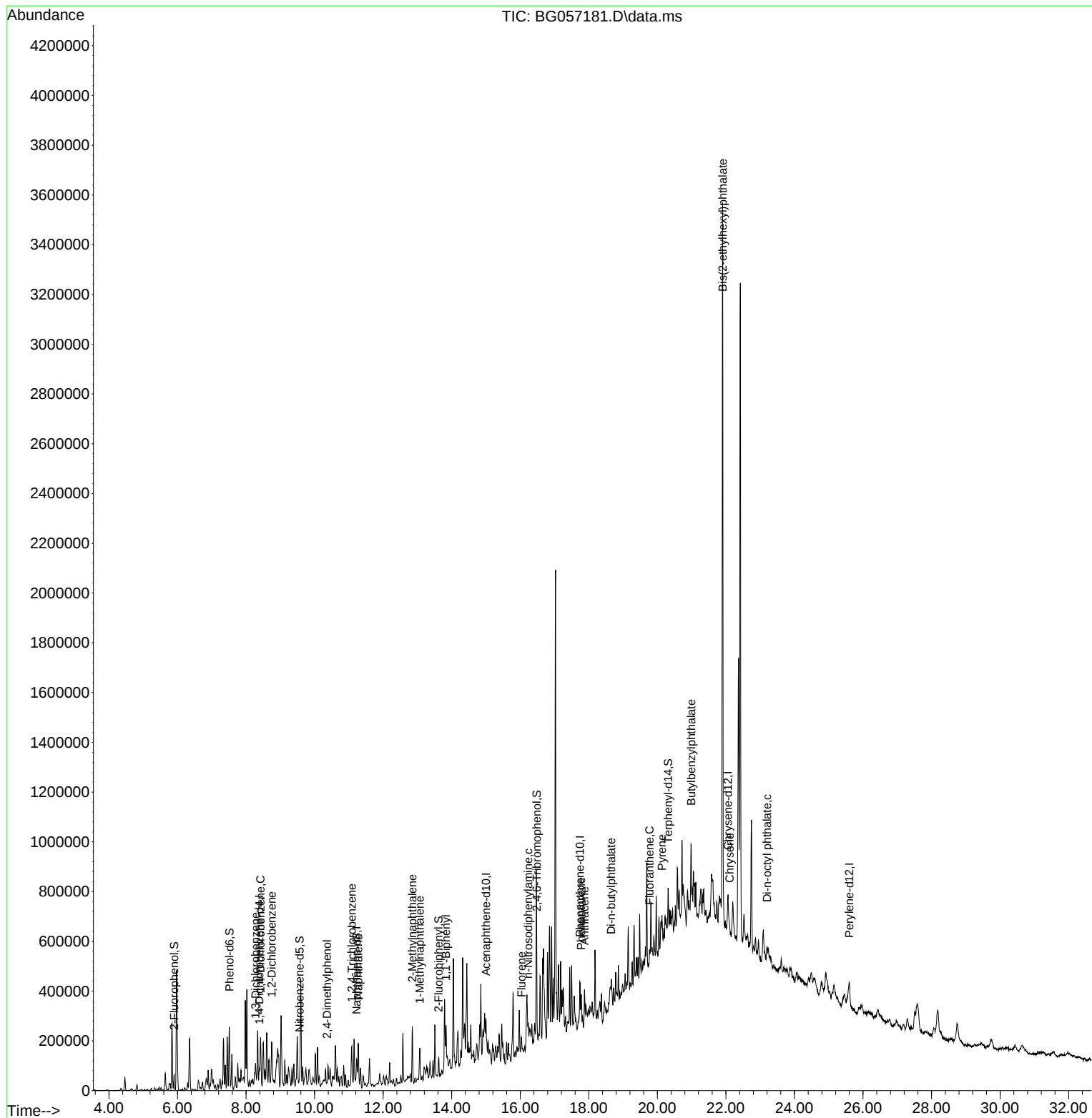
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042523\
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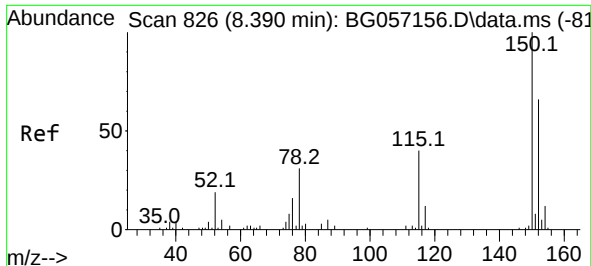
Instrument :
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Quant Time: Apr 26 00:24:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
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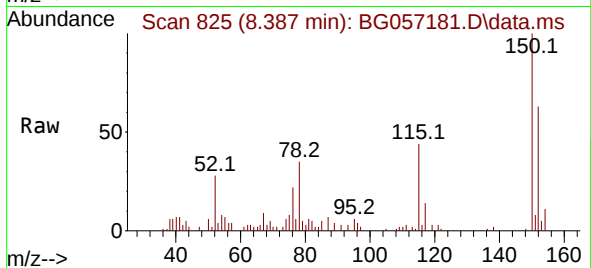
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.387 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL

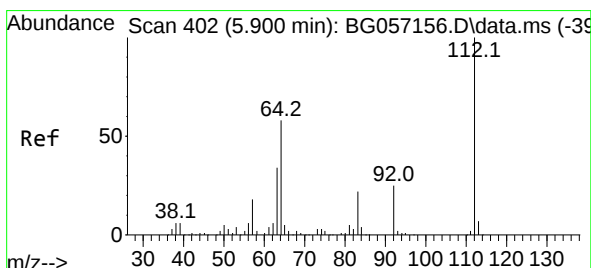
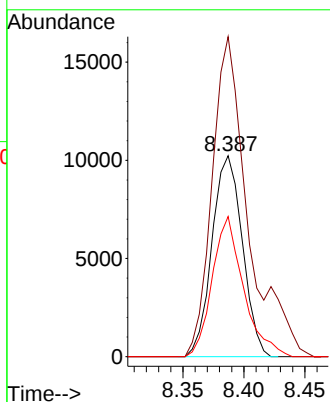
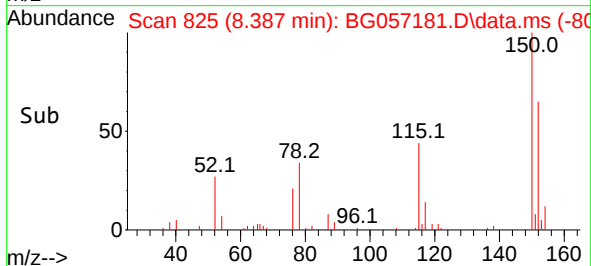


Tgt Ion:152 Resp: 17710
Ion Ratio Lower Upper
152 100
150 159.2 121.4 182.2
115 69.7 48.1 72.1

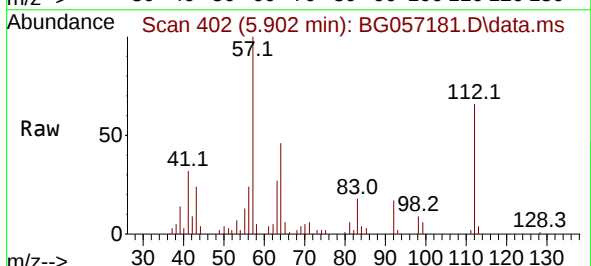
Manual Integrations

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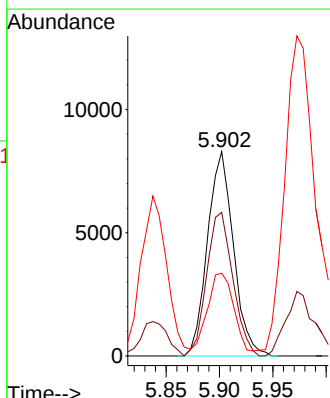
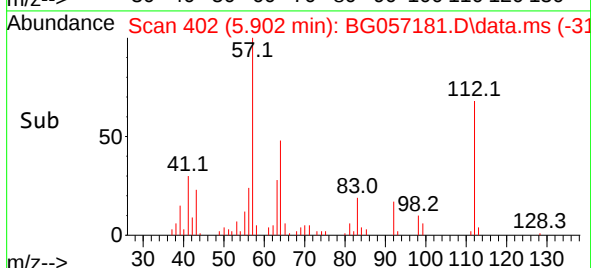
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

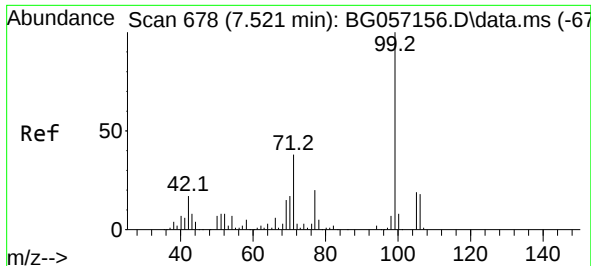


#5
2-Fluorophenol
Concen: 14.364 ng
RT: 5.902 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02



Tgt Ion:112 Resp: 14038
Ion Ratio Lower Upper
112 100
64 70.3 46.7 70.1#
63 40.5 26.9 40.3#





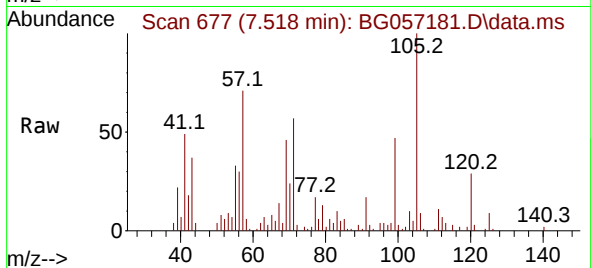
#7
Phenol-d6
Concen: 15.364 ng
RT: 7.518 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

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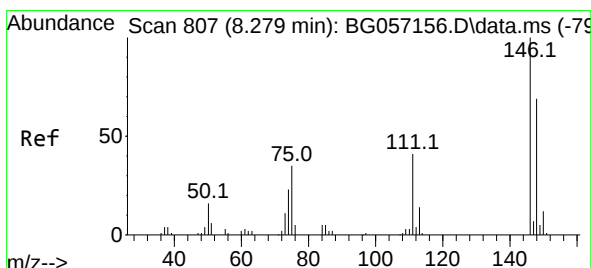
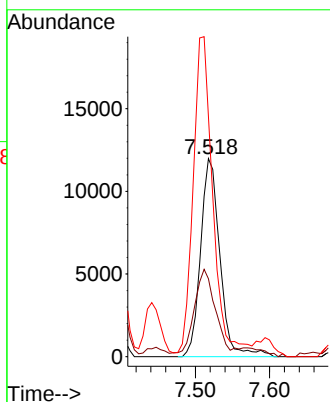
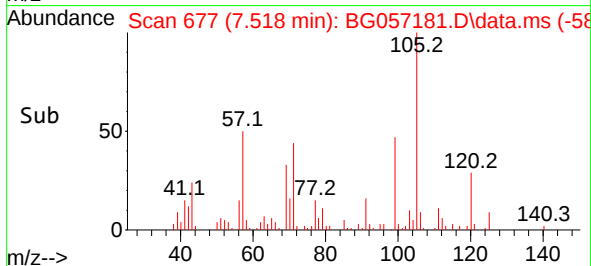


Tgt Ion: 99 Resp: 21724
Ion Ratio Lower Upper
99 100
42 39.3 13.4 20.0
71 121.2 30.2 45.2

Manual Integrations

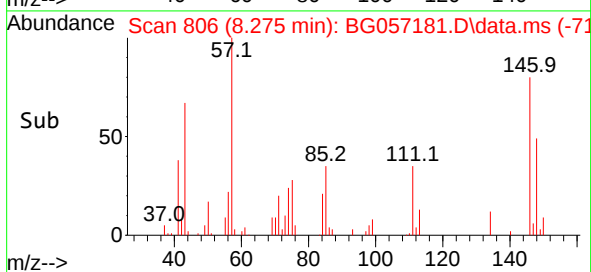
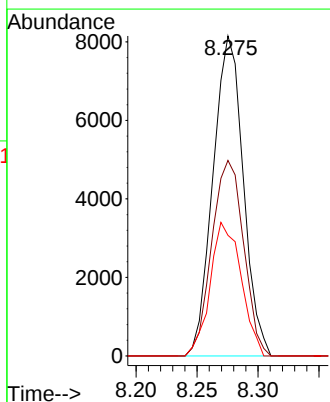
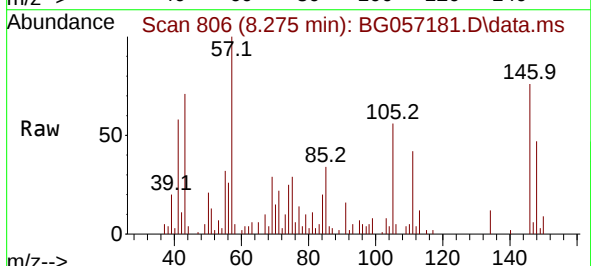
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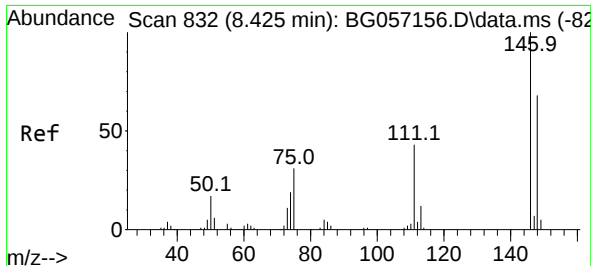
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#12
1,3-Dichlorobenzene
Concen: 11.609 ng
RT: 8.275 min Scan# 806
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Tgt Ion:146 Resp: 14079
Ion Ratio Lower Upper
146 100
148 61.1 55.4 83.2
75 37.7 28.2 42.4





#13

1,4-Dichlorobenzene

Concen: 44.422 ng

RT: 8.422 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG057181.D

Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

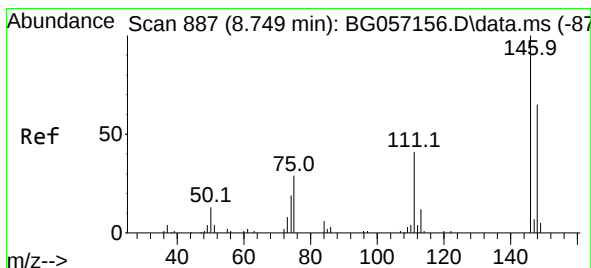
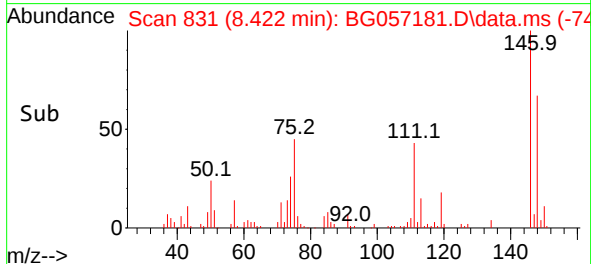
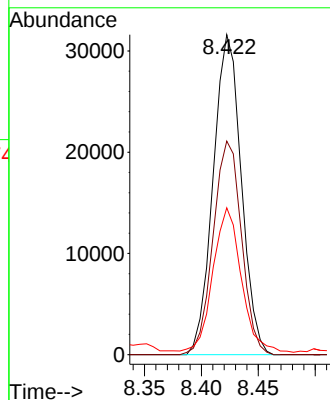
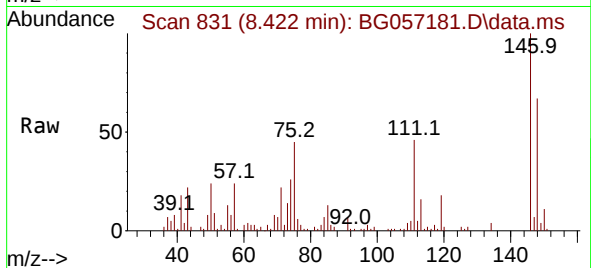
SPA-4WC-23-04DL

Tgt Ion:146 Resp: 54295
 Ion Ratio Lower Upper
 146 100
 148 66.8 54.3 81.5
 111 45.9 34.2 51.4

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Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#14

1,2-Dichlorobenzene

Concen: 55.003 ng

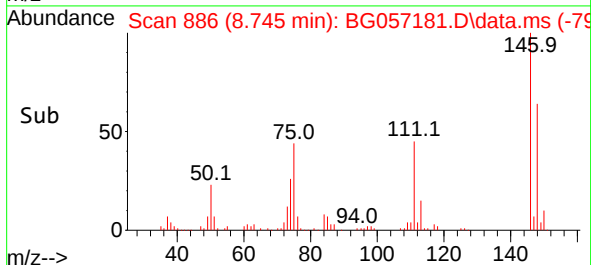
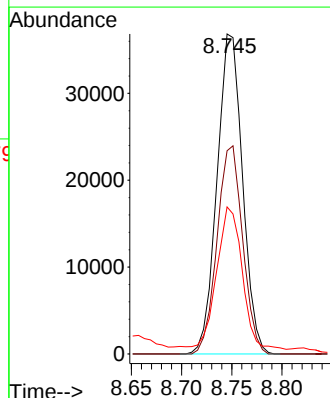
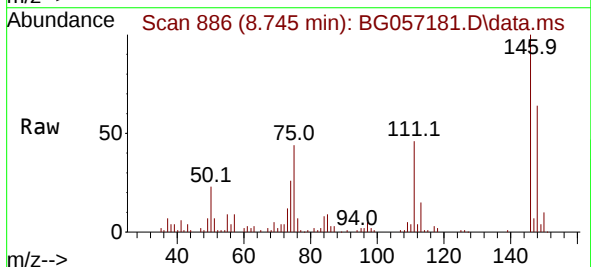
RT: 8.745 min Scan# 886

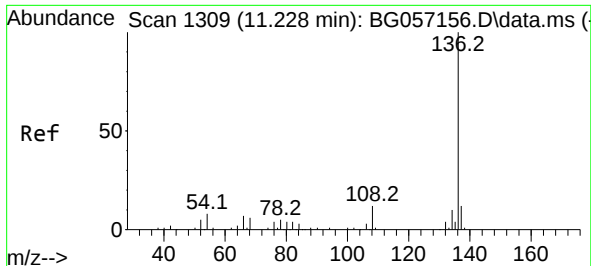
Delta R.T. -0.003 min

Lab File: BG057181.D

Acq: 25 Apr 2023 18:02

Tgt Ion:146 Resp: 64909
 Ion Ratio Lower Upper
 146 100
 148 63.5 52.3 78.5
 111 46.0 33.1 49.7





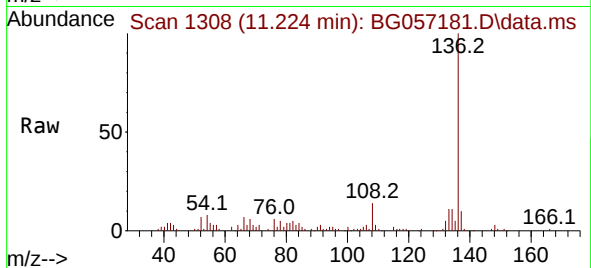
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.224 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL

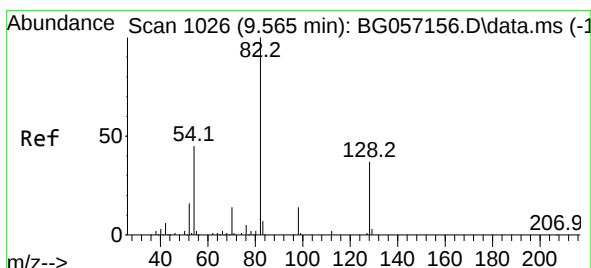
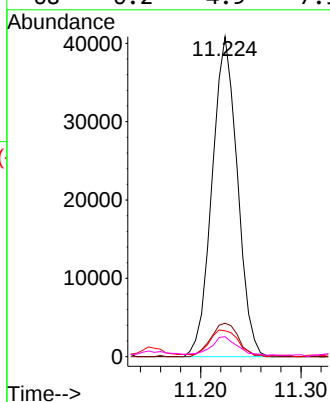
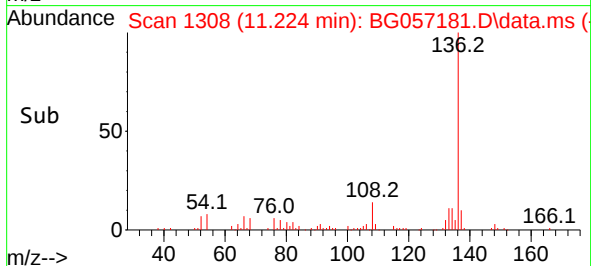


Tgt Ion: 136 Resp: 71480
Ion Ratio Lower Upper
136 100
137 10.5 9.5 14.3
54 8.1 6.4 9.6
68 6.2 4.9 7.3

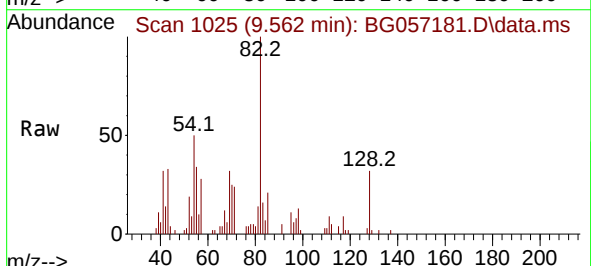
Manual Integrations

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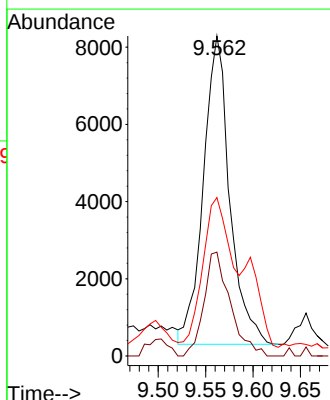
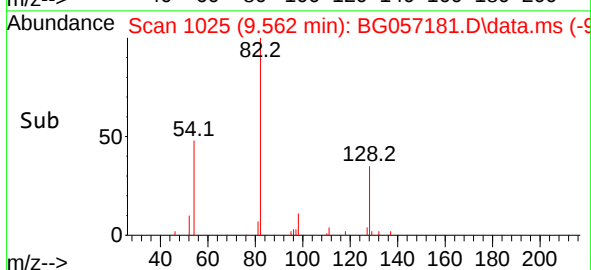
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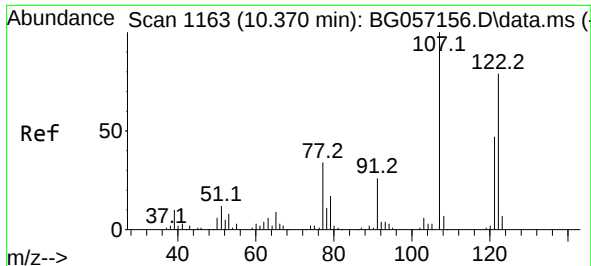


#23
Nitrobenzene-d5
Concen: 10.694 ng
RT: 9.562 min Scan# 1025
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02



Tgt Ion: 82 Resp: 15464
Ion Ratio Lower Upper
82 100
128 32.4 29.4 44.2
54 49.5 36.2 54.2





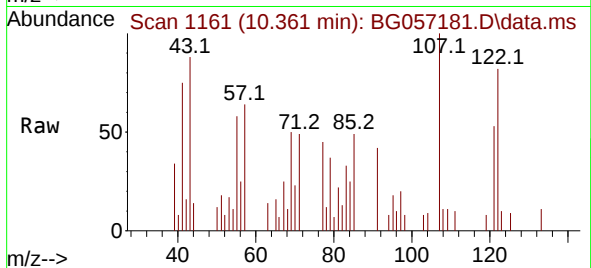
#27
2,4-Dimethylphenol
Concen: 5.342 ng m
RT: 10.361 min Scan# 1161
Delta R.T. -0.009 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL

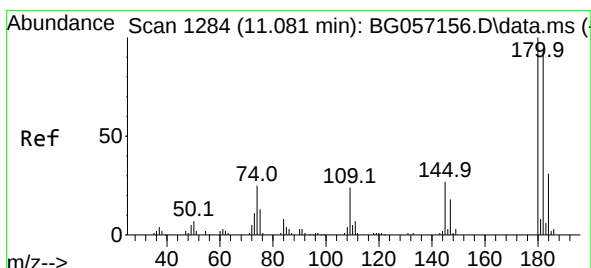
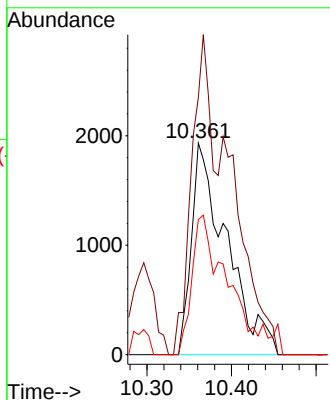
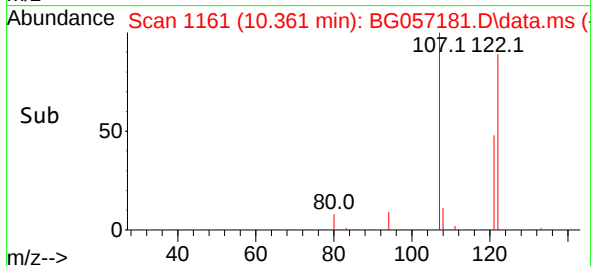


Tgt Ion:122 Resp: 5569
Ion Ratio Lower Upper
122 100
107 121.6 101.5 152.3
121 63.9 48.0 72.0

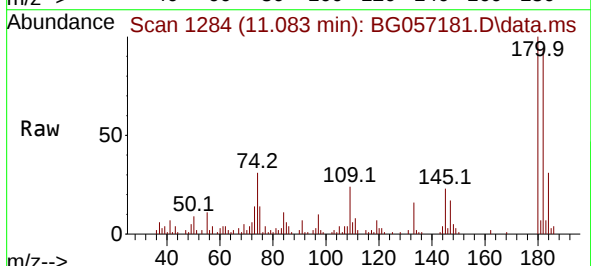
Manual Integrations

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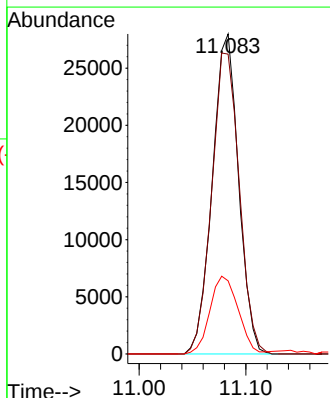
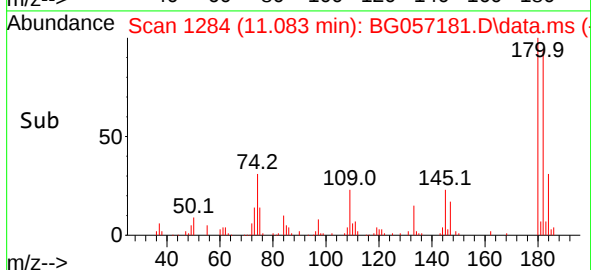
Reviewed By :Christian Giraldo 04/26/2023
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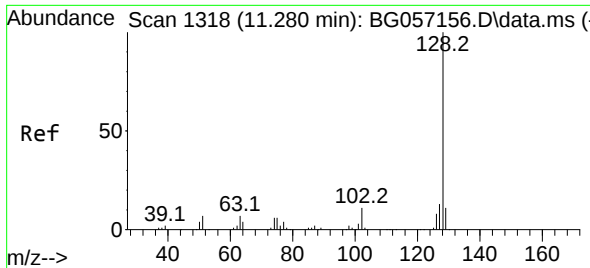


#30
1,2,4-Trichlorobenzene
Concen: 33.661 ng
RT: 11.083 min Scan# 1284
Delta R.T. 0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02



Tgt Ion:180 Resp: 47802
Ion Ratio Lower Upper
180 100
182 93.7 75.0 112.6
145 22.8 21.4 32.2





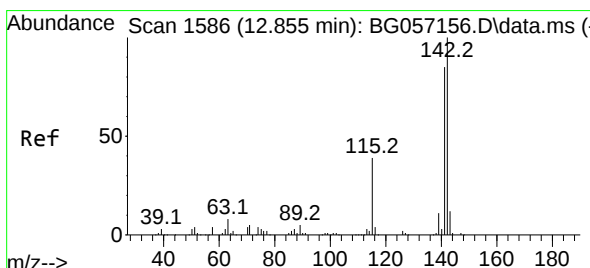
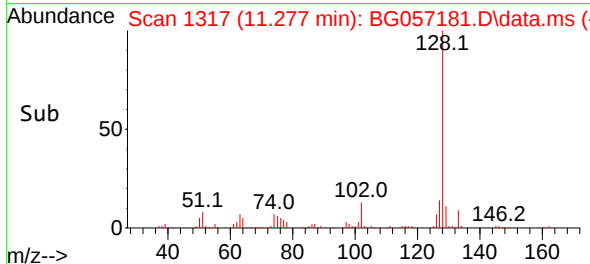
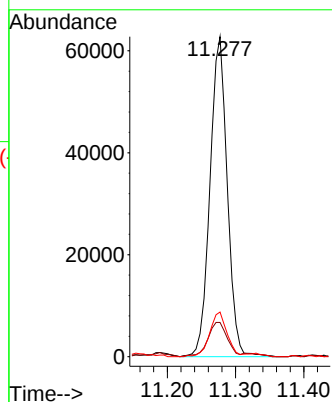
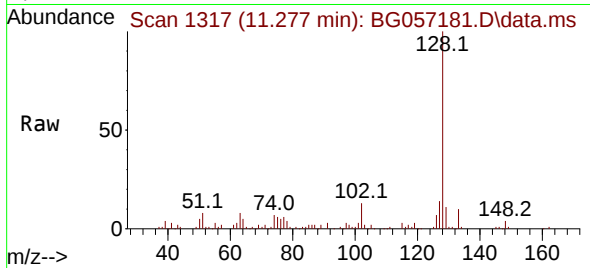
#31
Naphthalene
Concen: 29.186 ng
RT: 11.277 min Scan# 11081
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL

Tgt Ion:128 Resp: 11081
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 14.0 10.6 16.0

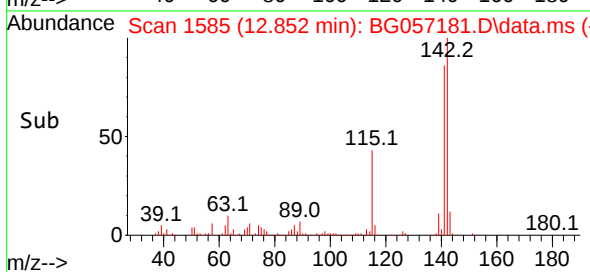
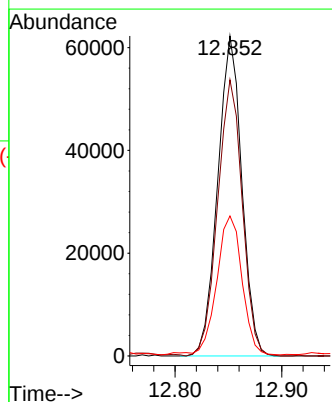
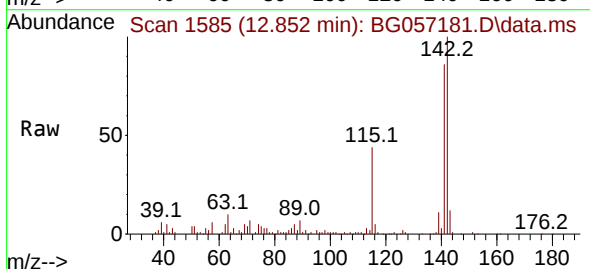
Manual Integrations
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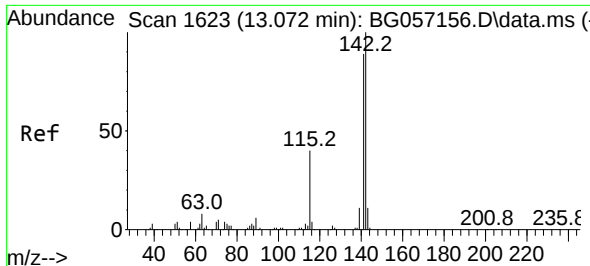
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#37
2-Methylnaphthalene
Concen: 32.654 ng
RT: 12.852 min Scan# 1585
Delta R.T. -0.004 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

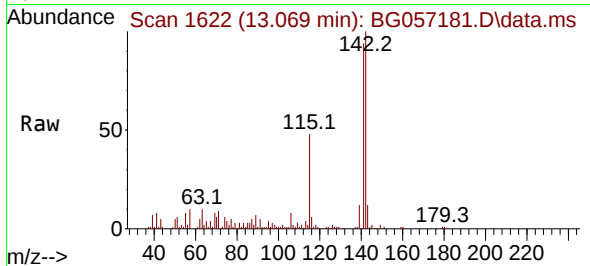
Tgt Ion:142 Resp: 97569
Ion Ratio Lower Upper
142 100
141 86.3 68.1 102.1
115 43.7 31.0 46.4





#38
1-Methylnaphthalene
Concen: 20.097 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

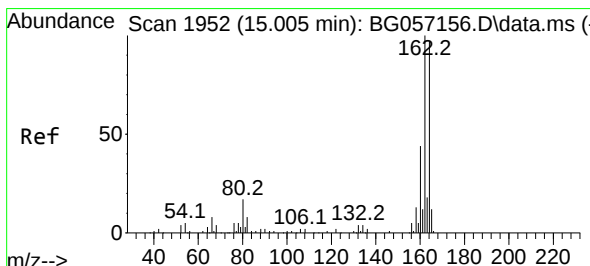
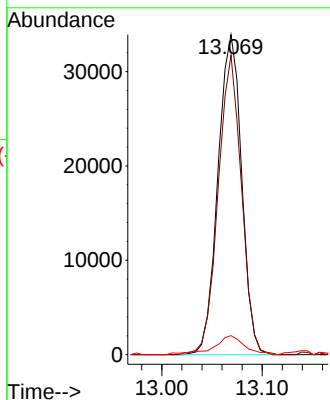
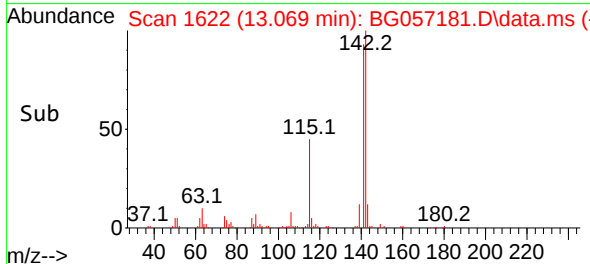
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL



Tgt Ion:142 Resp: 55438
Ion Ratio Lower Upper
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141 93.6 71.6 107.4
116 6.0 3.3 4.9

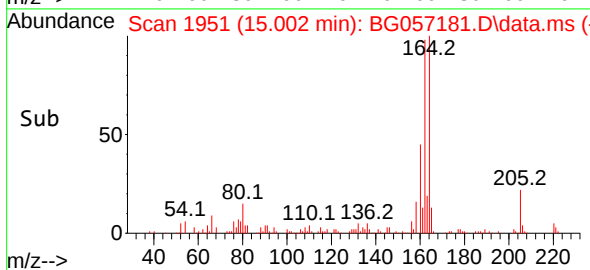
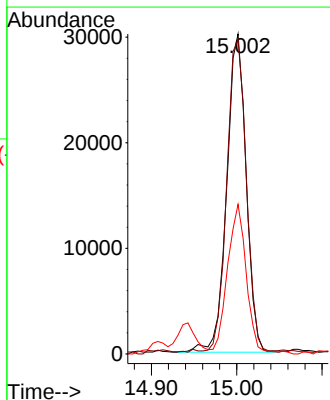
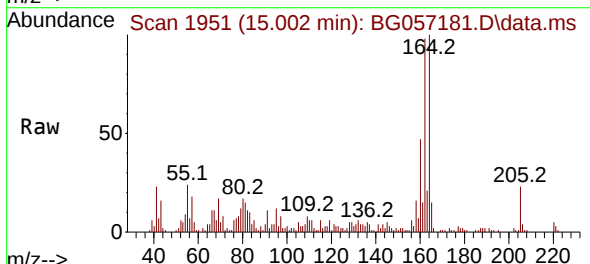
Manual Integrations
APPROVED

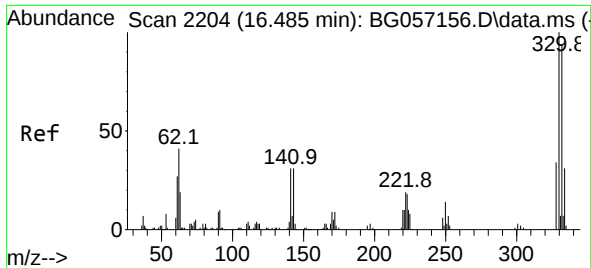
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.002 min Scan# 1951
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Tgt Ion:164 Resp: 47516
Ion Ratio Lower Upper
164 100
162 98.3 82.4 123.6
160 46.8 36.2 54.2





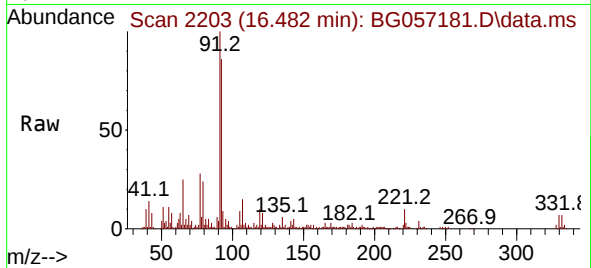
#42
2,4,6-Tribromophenol
Concen: 13.852 ng
RT: 16.482 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL

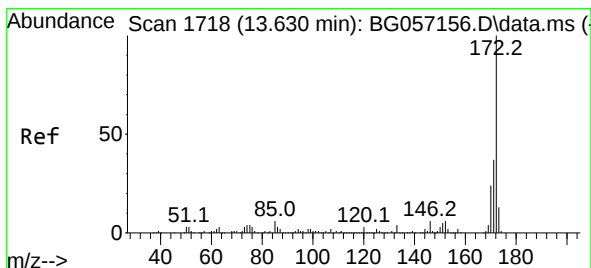
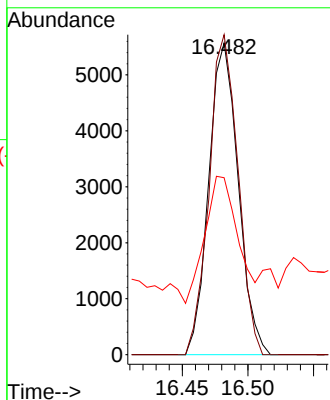
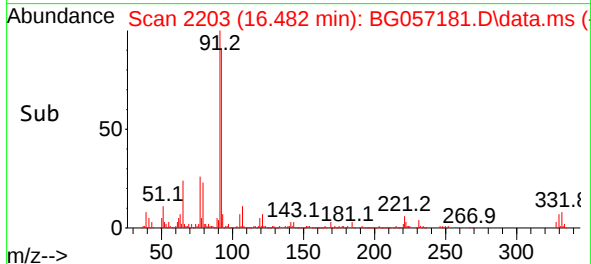


Tgt Ion:330 Resp: 8684
Ion Ratio Lower Upper
330 100
332 100.7 77.6 116.4
141 45.0 26.0 39.0

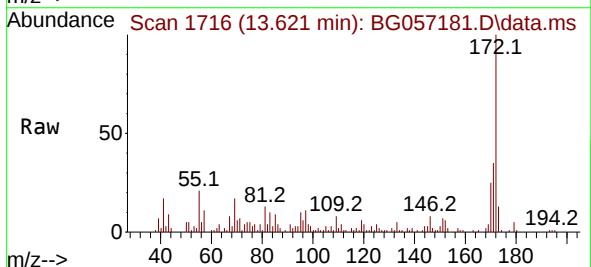
Manual Integrations

APPROVED

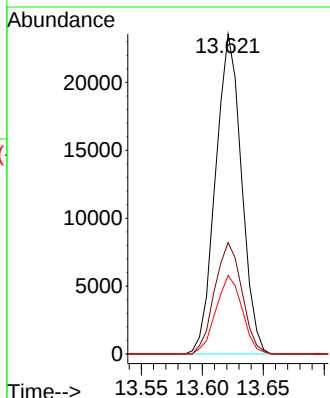
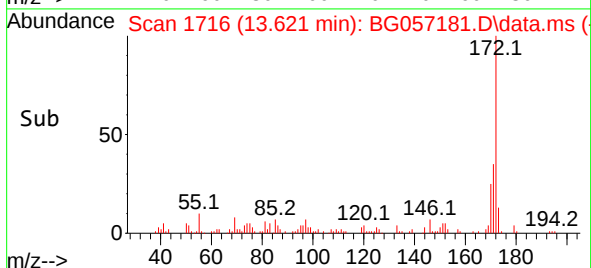
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

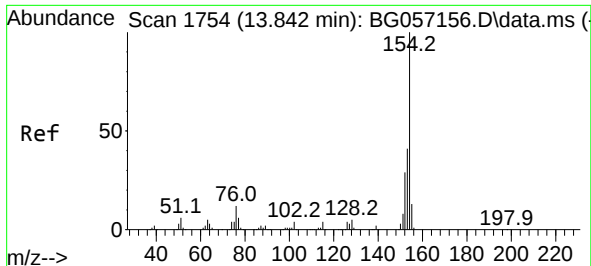


#45
2-Fluorobiphenyl
Concen: 9.871 ng
RT: 13.621 min Scan# 1716
Delta R.T. -0.009 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02



Tgt Ion:172 Resp: 34902
Ion Ratio Lower Upper
172 100
171 34.8 29.2 43.8
170 24.5 19.4 29.2





#46
1,1'-Biphenyl
Concen: 22.674 ng
RT: 13.833 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

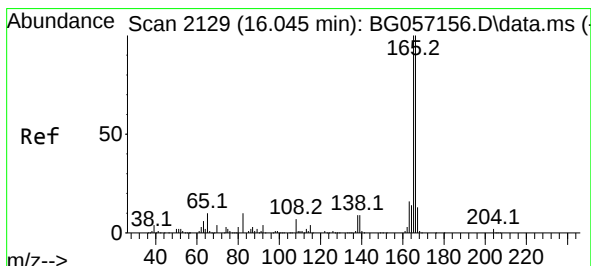
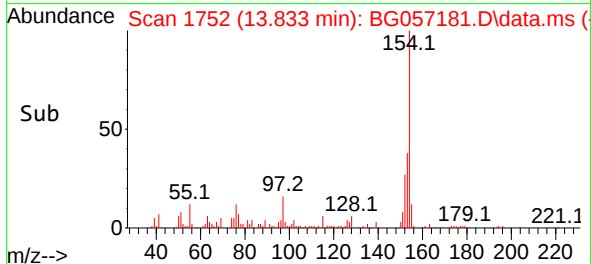
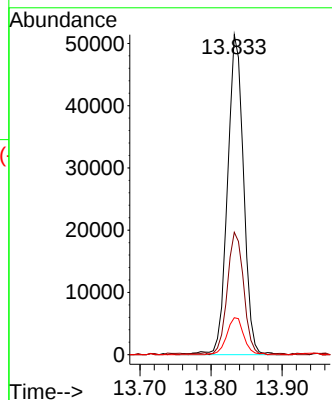
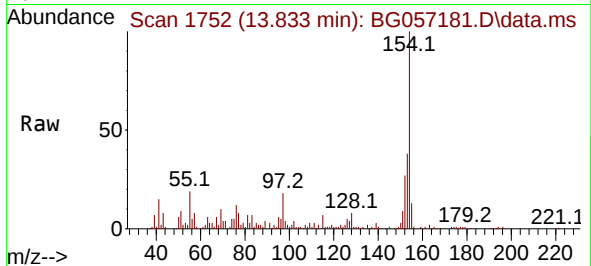
SPA-4WC-23-04DL

Tgt Ion:154 Resp: 8030
Ion Ratio Lower Upper
154 100
153 38.3 20.9 60.9
76 11.5 0.0 32.3

Manual Integrations

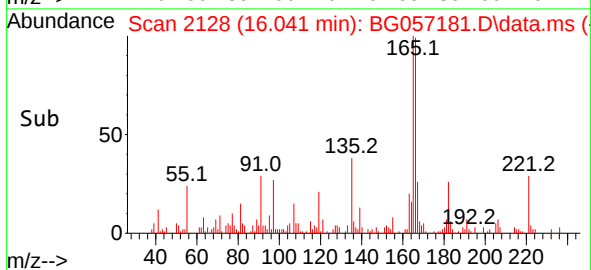
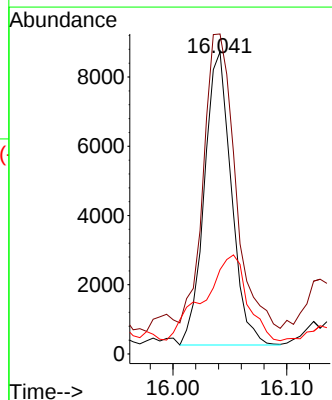
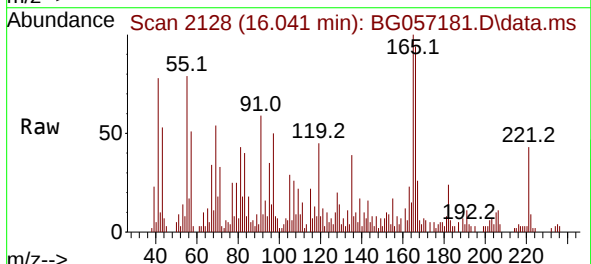
APPROVED

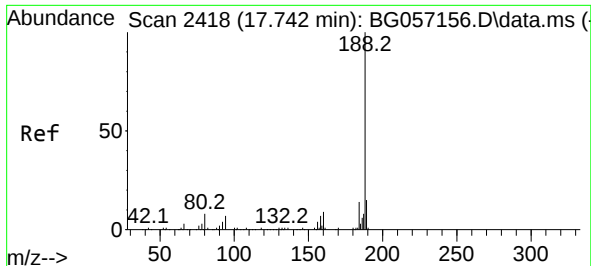
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#58
Fluorene
Concen: 3.850 ng
RT: 16.041 min Scan# 2128
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Tgt Ion:166 Resp: 13925
Ion Ratio Lower Upper
166 100
165 105.9 79.8 119.6
167 27.9 10.7 16.1#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.739 min Scan# 2418
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

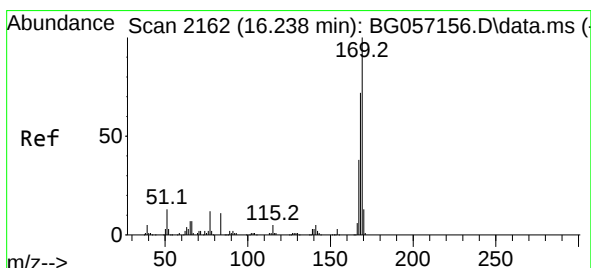
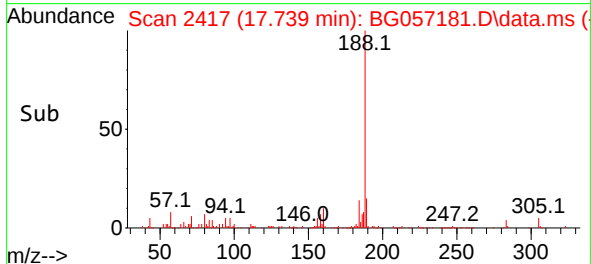
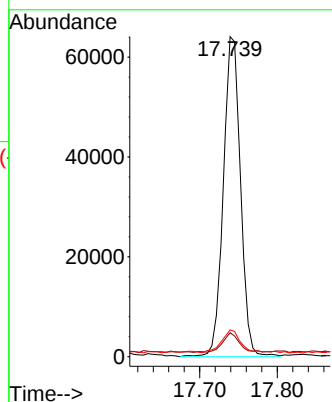
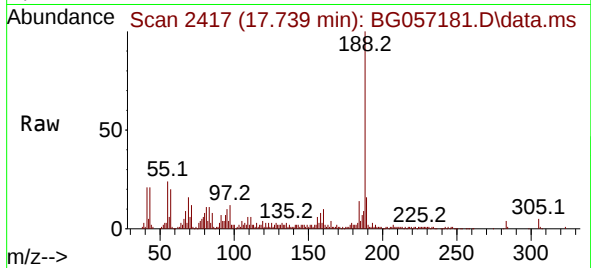
SPA-4WC-23-04DL

Tgt Ion:188 Resp: 9898
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.0
80 8.3 6.2 9.2

Manual Integrations

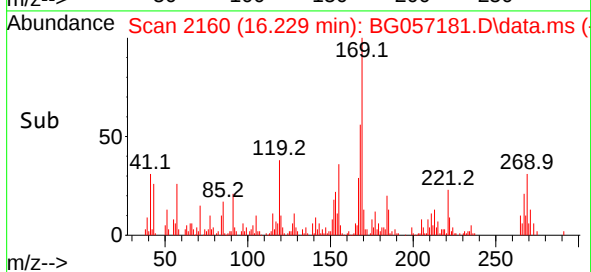
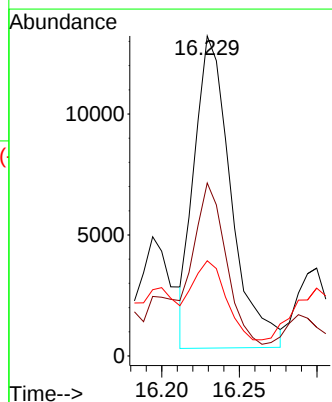
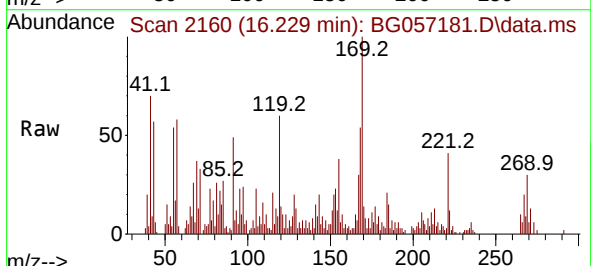
APPROVED

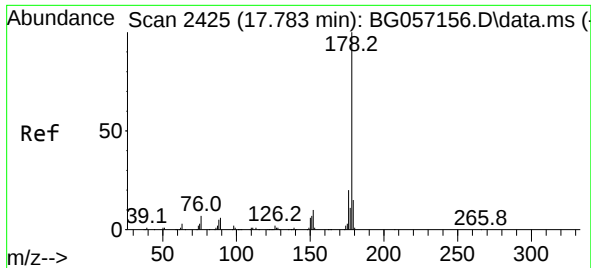
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#66
n-Nitrosodiphenylamine
Concen: 8.231 ng
RT: 16.229 min Scan# 2160
Delta R.T. -0.009 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Tgt Ion:169 Resp: 21260
Ion Ratio Lower Upper
169 100
168 54.1 57.8 86.6#
167 29.8 30.5 45.7#





#71
Phenanthrene
Concen: 11.136 ng m
RT: 17.780 min Scan# 2425
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

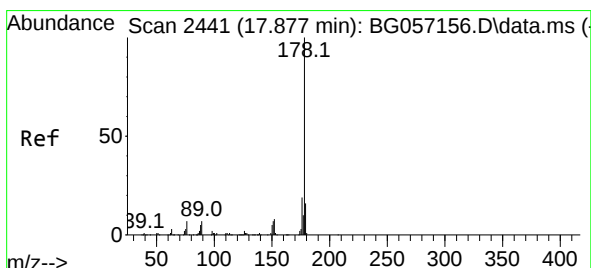
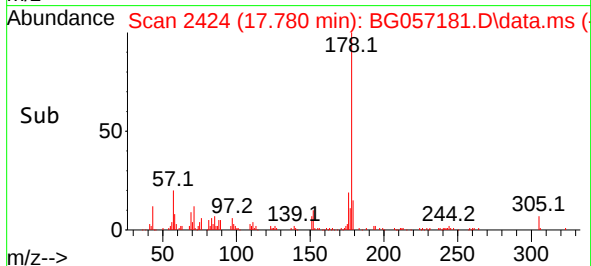
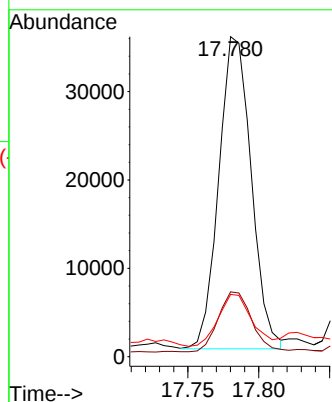
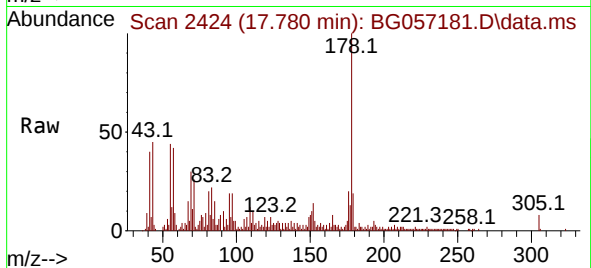
SPA-4WC-23-04DL

Tgt Ion:178 Resp: 56270
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 19.5 12.4 18.6

Manual Integrations

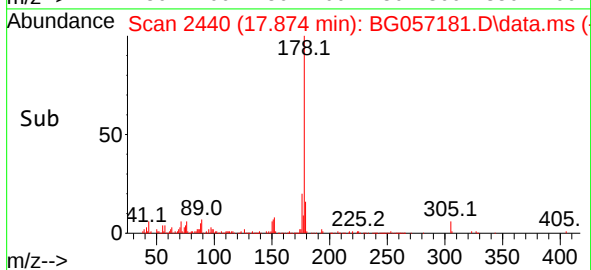
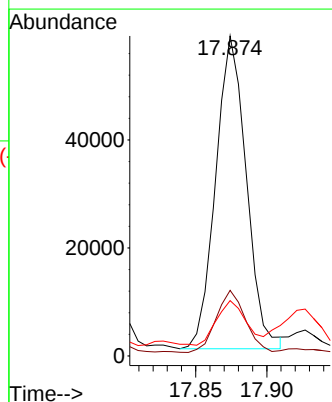
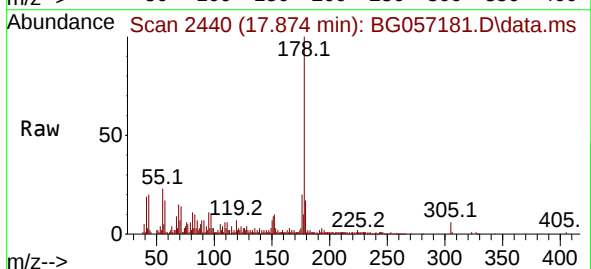
APPROVED

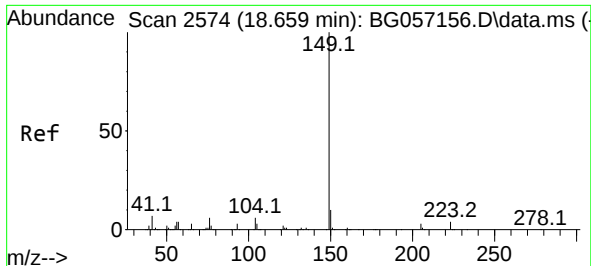
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#72
Anthracene
Concen: 16.992 ng
RT: 17.874 min Scan# 2440
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

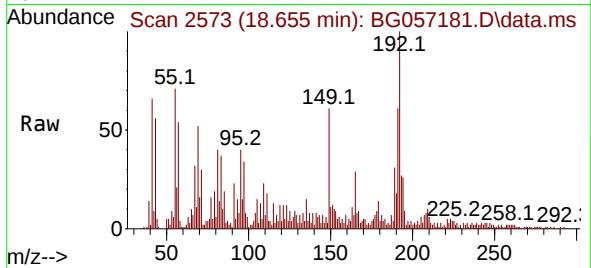
Tgt Ion:178 Resp: 86823
Ion Ratio Lower Upper
178 100
176 20.5 14.9 22.3
179 17.3 12.5 18.7





#74
Di-n-butylphthalate
Concen: 4.278 ng
RT: 18.655 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

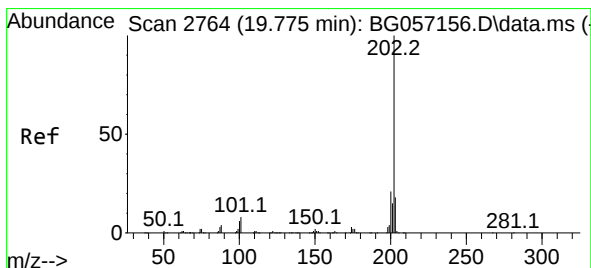
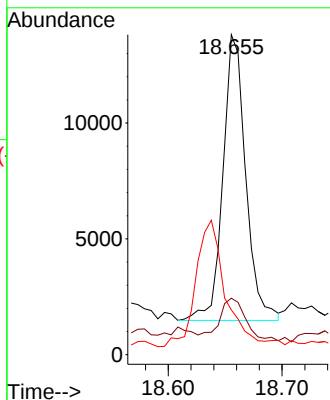
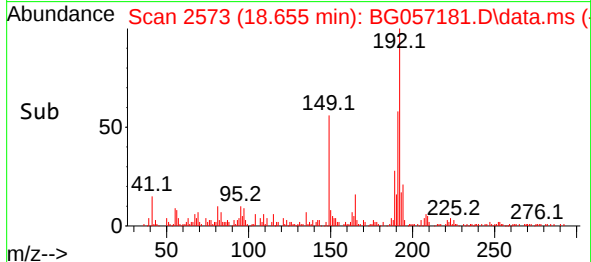
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL



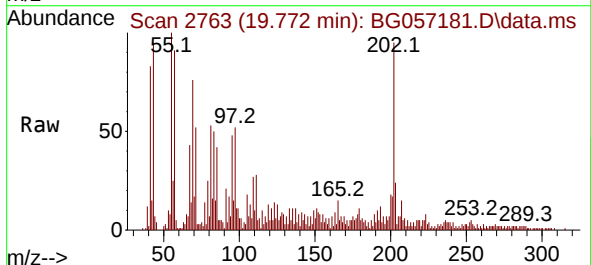
Tgt Ion:149 Resp: 1716
Ion Ratio Lower Upper
149 100
150 17.6 7.6 11.4
104 14.0 4.7 7.1

Manual Integrations
APPROVED

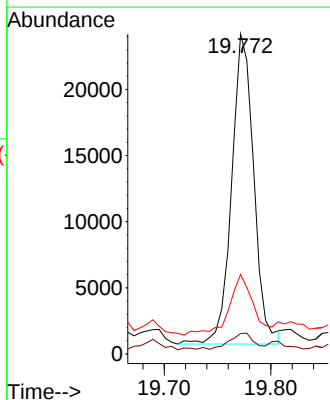
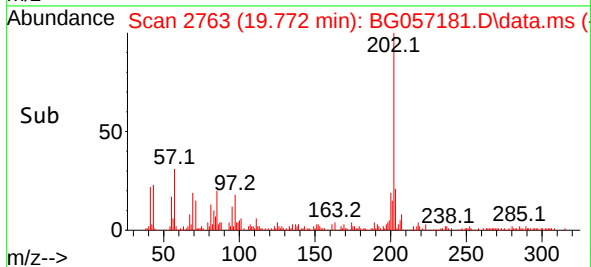
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

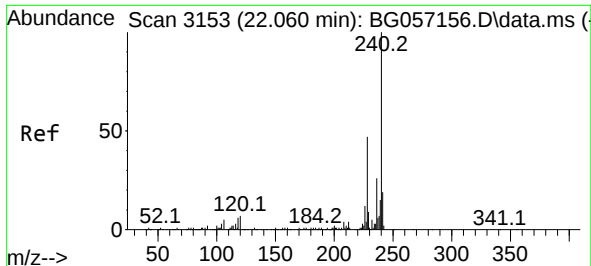


#75
Fluoranthene
Concen: 5.388 ng
RT: 19.772 min Scan# 2763
Delta R.T. -0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02



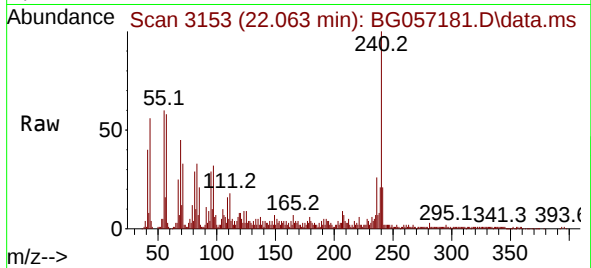
Tgt Ion:202 Resp: 33830
Ion Ratio Lower Upper
202 100
101 6.4 0.0 27.6
203 24.8 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.063 min Scan# 3153
Delta R.T. 0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

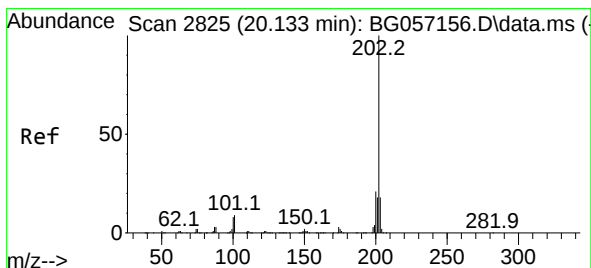
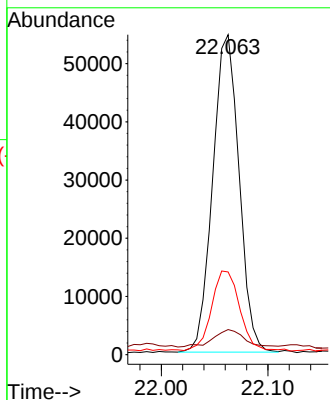
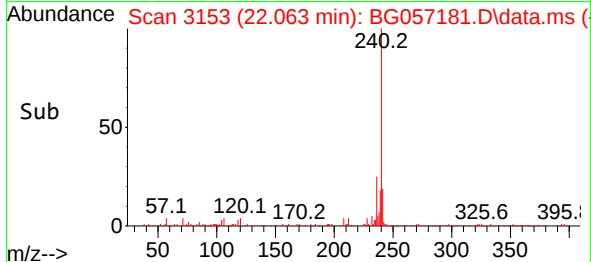
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL



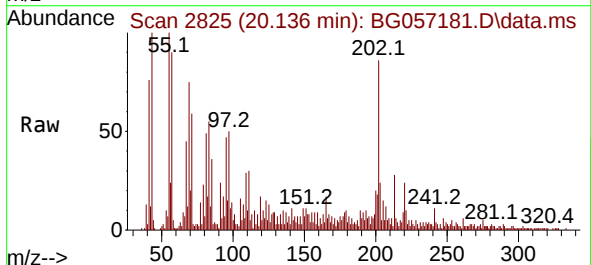
Tgt Ion:240 Resp: 93423
Ion Ratio Lower Upper
240 100
120 7.9 5.5 8.3
236 25.8 20.8 31.2

Manual Integrations
APPROVED

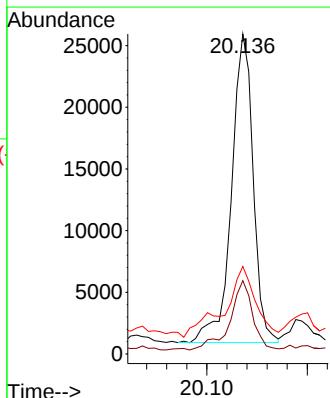
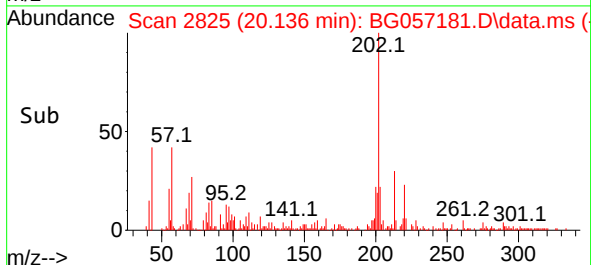
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

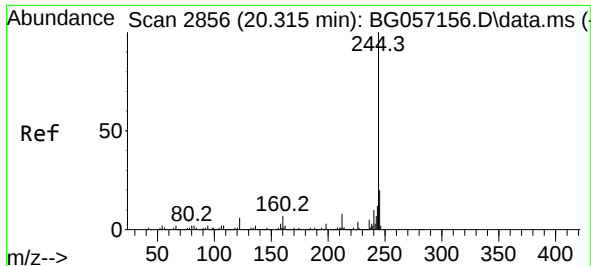


#78
Pyrene
Concen: 5.934 ng
RT: 20.136 min Scan# 2825
Delta R.T. 0.003 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02



Tgt Ion:202 Resp: 37637
Ion Ratio Lower Upper
202 100
200 22.9 17.0 25.4
203 27.3 14.7 22.1#





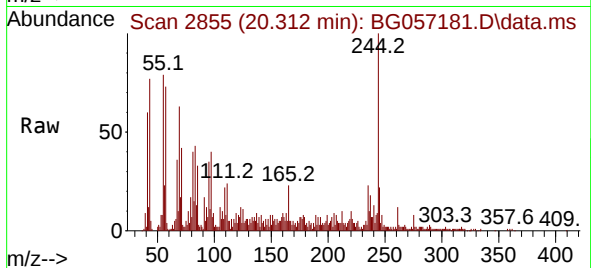
#79
 Terphenyl-d14
 Concen: 9.908 ng
 RT: 20.312 min Scan# 2855
 Delta R.T. -0.003 min
 Lab File: BG057181.D
 Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL

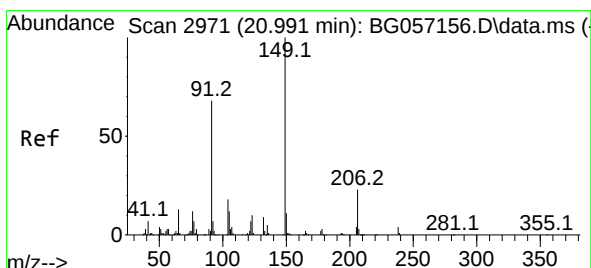
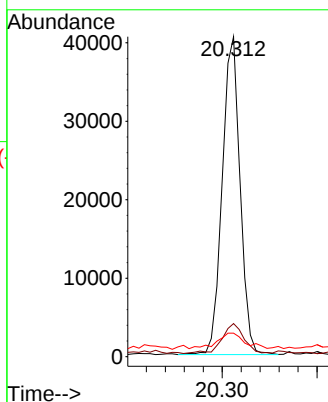
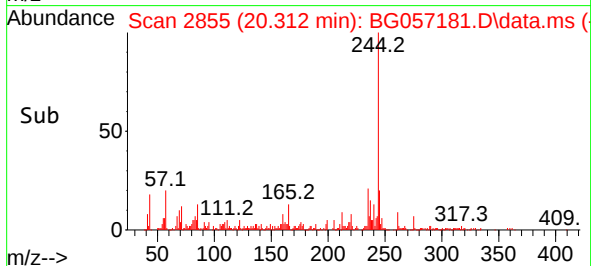


Tgt Ion:244 Resp: 52919
 Ion Ratio Lower Upper
 244 100
 212 10.4 6.0 9.0
 122 7.4 5.0 7.4

Manual Integrations

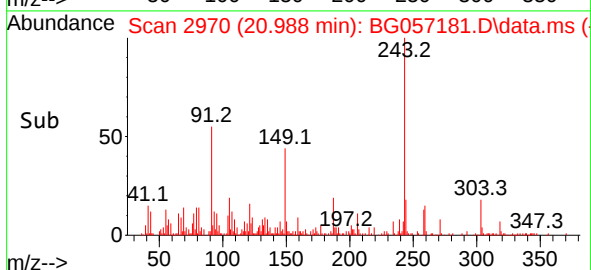
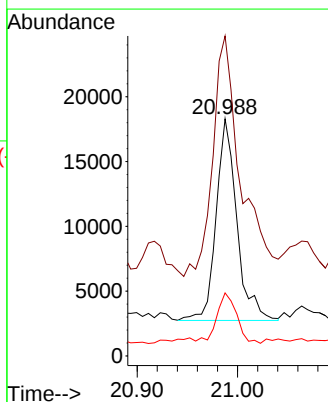
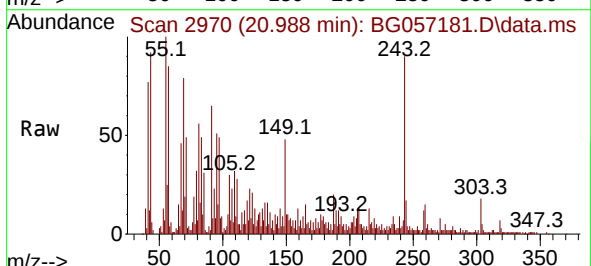
APPROVED

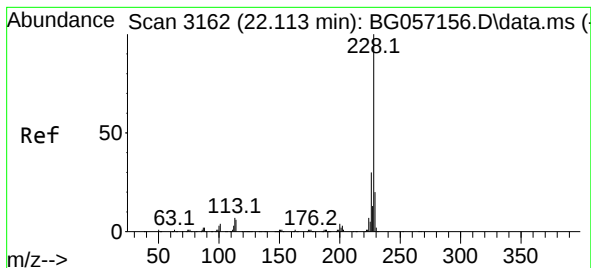
Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#80
 Butylbenzylphthalate
 Concen: 15.781 ng
 RT: 20.988 min Scan# 2970
 Delta R.T. -0.003 min
 Lab File: BG057181.D
 Acq: 25 Apr 2023 18:02

Tgt Ion:149 Resp: 22253
 Ion Ratio Lower Upper
 149 100
 91 134.9 54.1 81.1#
 206 26.6 18.2 27.2





#83

Chrysene

Concen: 2.911 ng m

RT: 22.110 min Scan# 3162

Delta R.T. -0.003 min

Lab File: BG057181.D

Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL

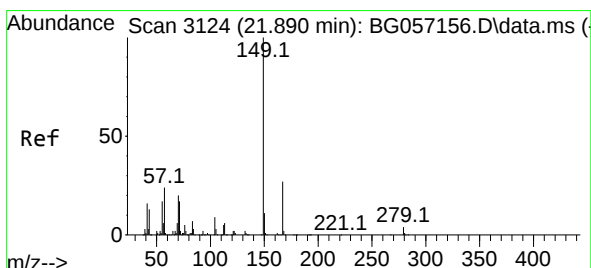
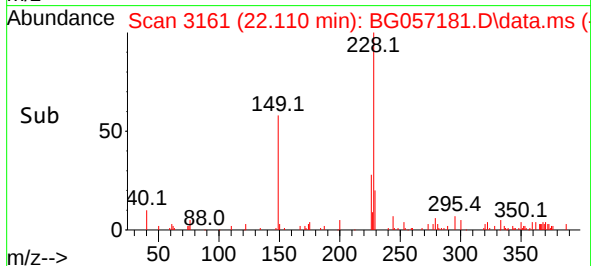
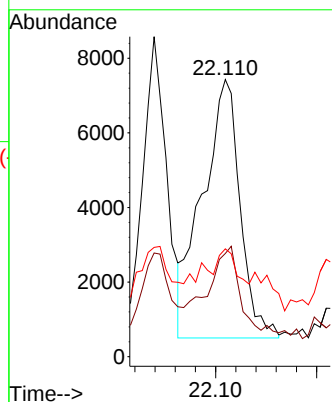
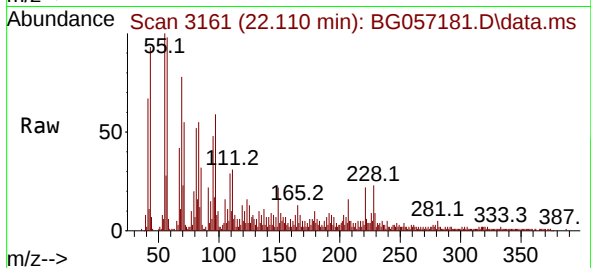
Tgt Ion:	228	Resp:	18030
Ion Ratio	Lower	Upper	
228	100		
226	37.3	24.0	36.0
229	38.9	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 438.598 ng

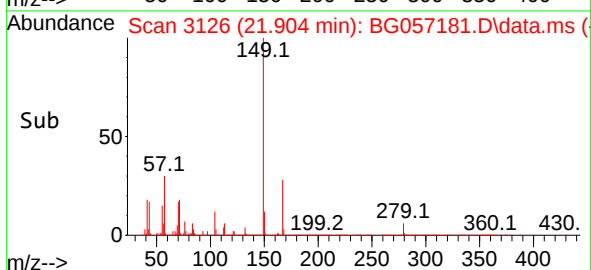
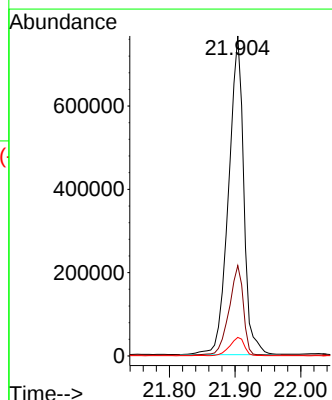
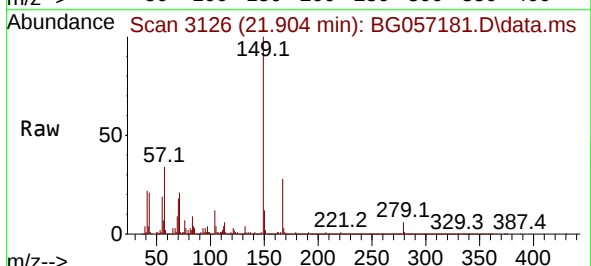
RT: 21.904 min Scan# 3126

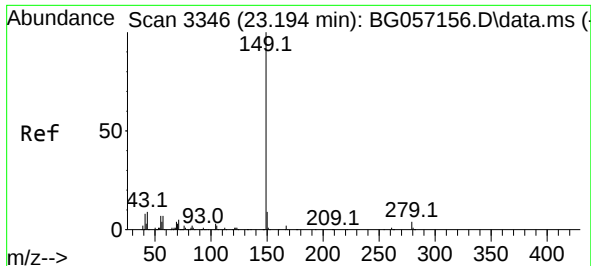
Delta R.T. 0.014 min

Lab File: BG057181.D

Acq: 25 Apr 2023 18:02

Tgt Ion:	149	Resp:	1229287
Ion Ratio	Lower	Upper	
149	100		
167	28.3	21.9	32.9
279	5.8	3.3	4.9





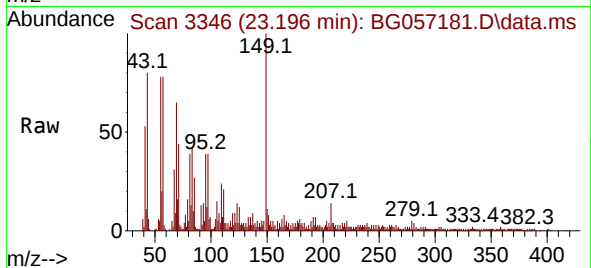
#85
Di-n-octyl phthalate
Concen: 23.820 ng m
RT: 23.196 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL

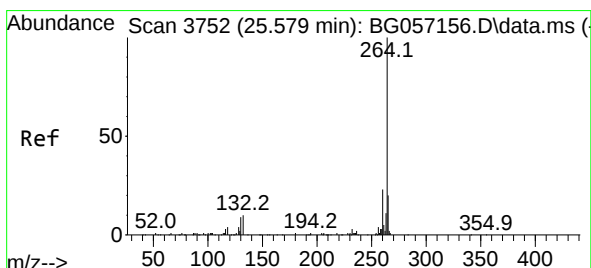
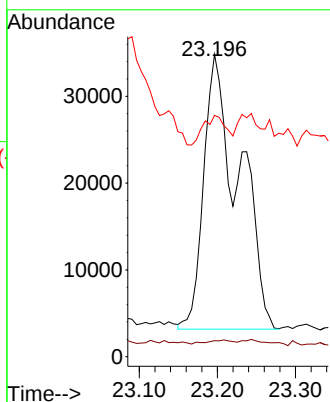
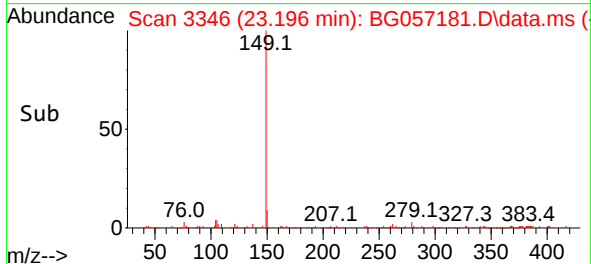


Tgt Ion:149 Resp: 9980
Ion Ratio Lower Upper
149 100
167 1.0 1.2 1.8
43 9.2 7.4 11.0

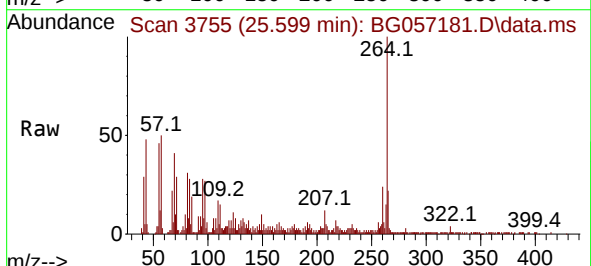
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.599 min Scan# 3755
Delta R.T. 0.020 min
Lab File: BG057181.D
Acq: 25 Apr 2023 18:02



Tgt Ion:264 Resp: 106040
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 22.4 16.4 24.6

