

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012323\
 Data File : BG056393.D
 Acq On : 23 Jan 2023 21:12
 Operator : CG/JU
 Sample : 01234-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-11923DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/24/2023
 Supervised By : Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 01:24:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	50736	20.000	ng	0.00
21) Naphthalene-d8	11.125	136	198234	20.000	ng	-0.01
39) Acenaphthene-d10	14.909	164	154717	20.000	ng	-0.01
64) Phenanthrene-d10	17.647	188	367928	20.000	ng	-0.01
76) Chrysene-d12	21.936	240	337600	20.000	ng	#-0.02
86) Perylene-d12	25.373	264	368547	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.814	112	23314	8.205	ng	-0.01
7) Phenol-d6	7.436	99	32288	7.399	ng	-0.01
23) Nitrobenzene-d5	9.474	82	17295	4.463	ng	-0.01
42) 2,4,6-Tribromophenol	16.396	330	9667	4.933	ng	0.00
45) 2-Fluorobiphenyl	13.534	172	55254	4.932	ng	-0.01
79) Terphenyl-d14	20.221	244	92511	4.908	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.178	128	28190	2.702	ng	97
38) 1-Methylnaphthalene	12.982	142	18705	2.287	ng	100
52) Acenaphthene	14.974	154	30370	3.281	ng	94
55) Dibenzofuran	15.303	168	56377	3.680	ng	96
58) Fluorene	15.949	166	85159	6.912	ng	95
71) Phenanthrene	17.688	178	651221	34.154	ng	99
72) Anthracene	17.782	178	150950	7.674	ng	97
73) Carbazole	18.047	167	63968	3.869	ng	97
75) Fluoranthene	19.680	202	754058	30.318	ng	99
78) Pyrene	20.044	202	634427	26.662	ng	100
81) Benzo(a)anthracene	21.919	228	318671	13.439	ng	99
83) Chrysene	21.989	228	272192	12.255	ng	97
87) Indeno(1,2,3-cd)pyrene	29.304	276	140119	5.228	ng	# 98
88) Benzo(b)fluoranthene	24.275	252	302900m	12.936	ng	
89) Benzo(k)fluoranthene	24.339	252	127447m	5.466	ng	
90) Benzo(a)pyrene	25.203	252	240201	10.517	ng	# 96
92) Benzo(g,h,i)perylene	30.550	276	128205	5.883	ng	99

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

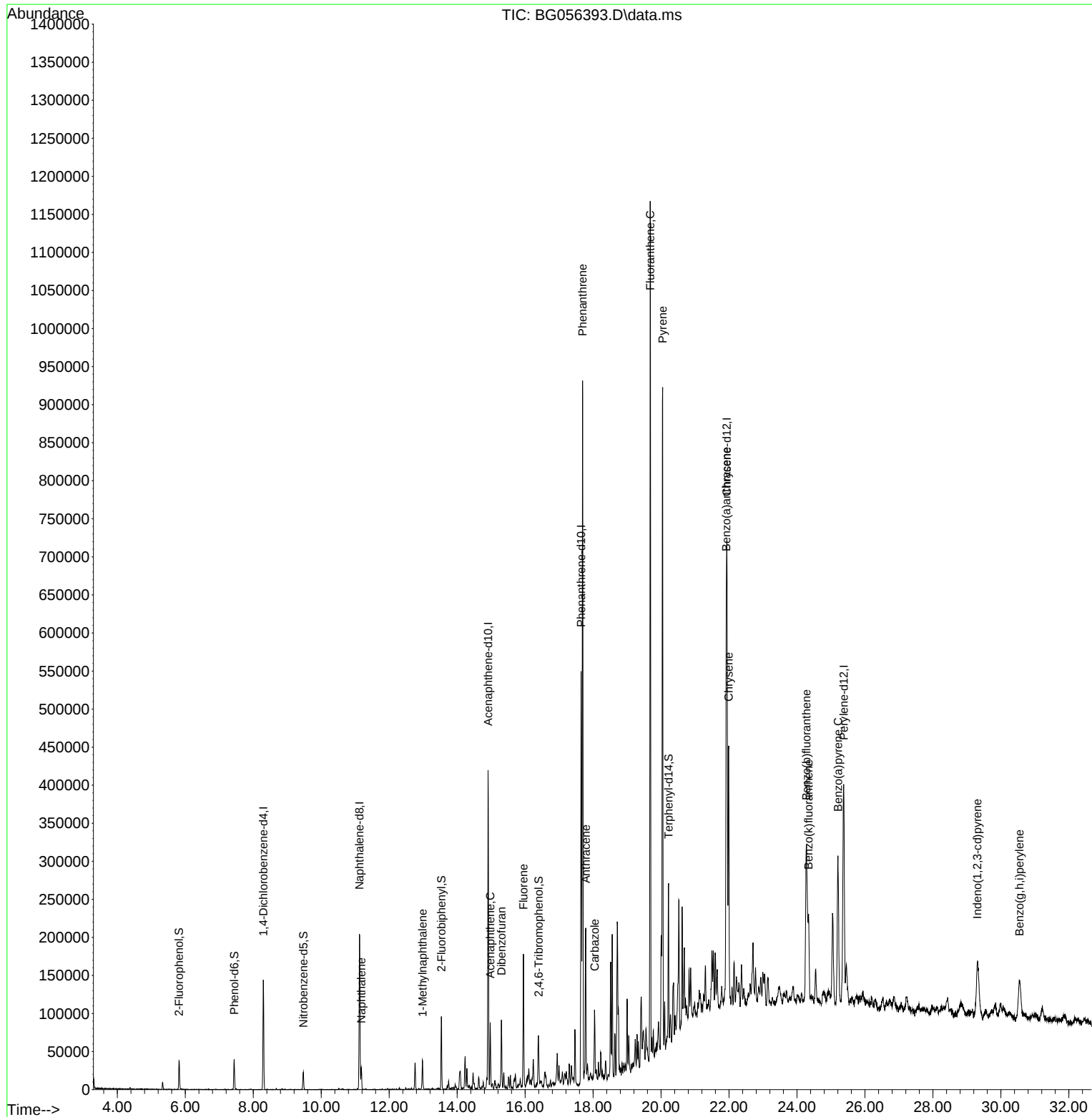
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012323\
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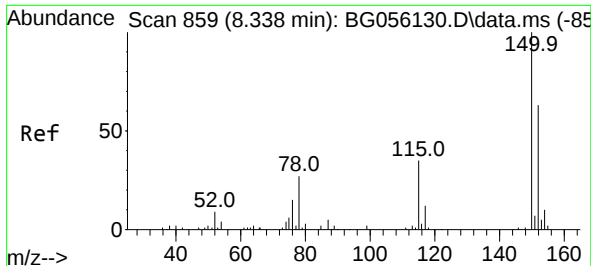
Instrument :
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Quant Time: Jan 24 01:24:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
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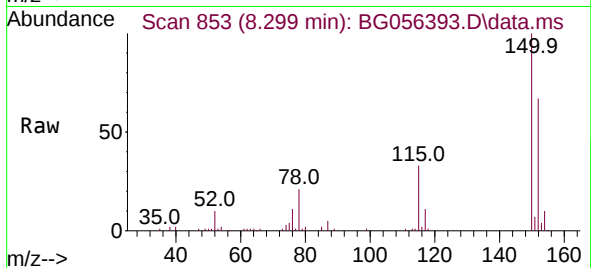
Reviewed By : Christian Giraldo 01/24/2023
Supervised By : Jagrut Upadhyay 01/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.299 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

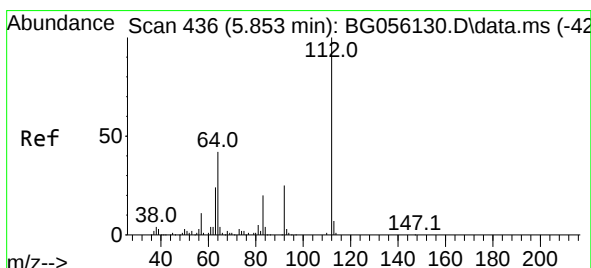
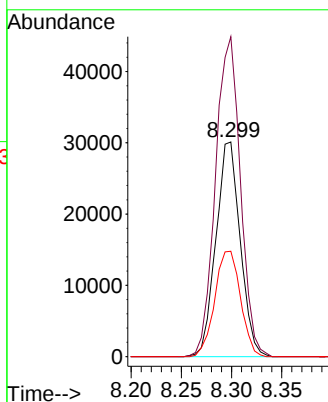
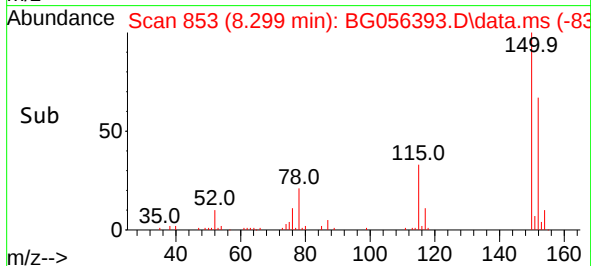
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL



Tgt Ion:152 Resp: 50736
Ion Ratio Lower Upper
152 100
150 149.1 127.9 191.9
115 49.1 44.2 66.2

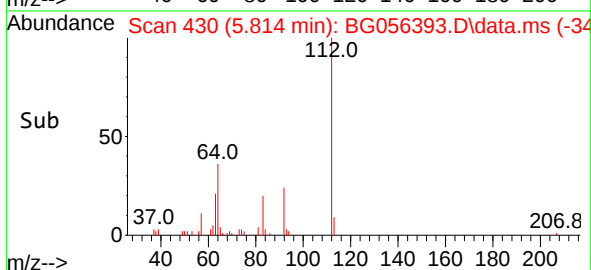
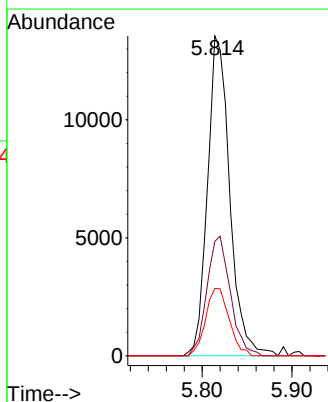
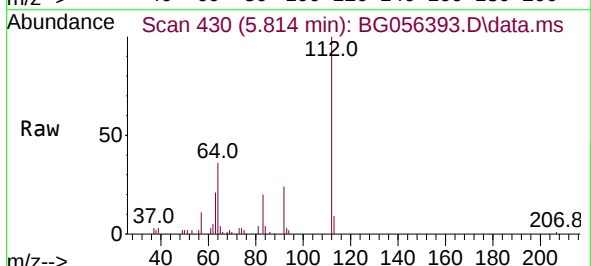
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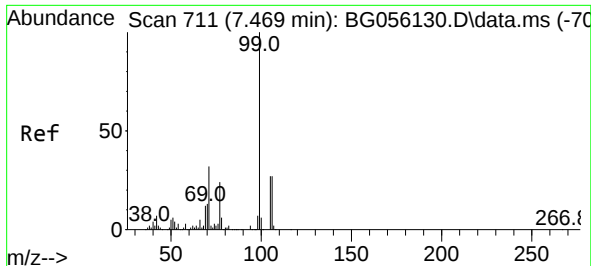
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#5
2-Fluorophenol
Concen: 8.205 ng
RT: 5.814 min Scan# 430
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

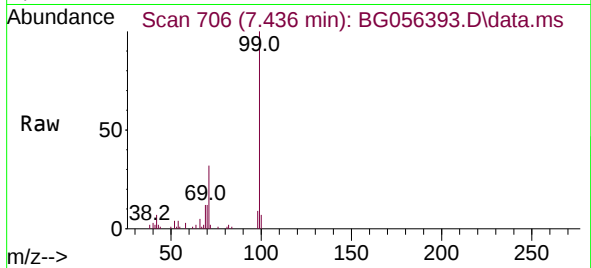
Tgt Ion:112 Resp: 23314
Ion Ratio Lower Upper
112 100
64 35.8 33.3 49.9
63 21.1 19.0 28.4





#7
Phenol-d6
Concen: 7.399 ng
RT: 7.436 min Scan# 706
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

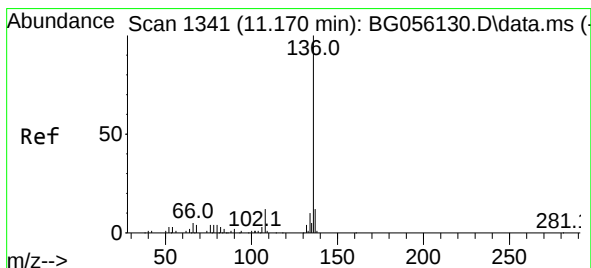
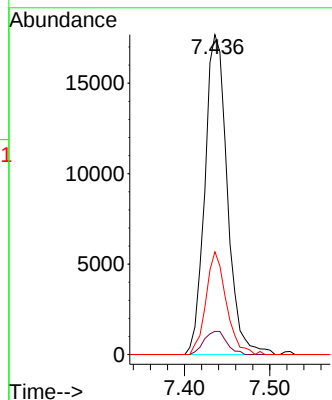
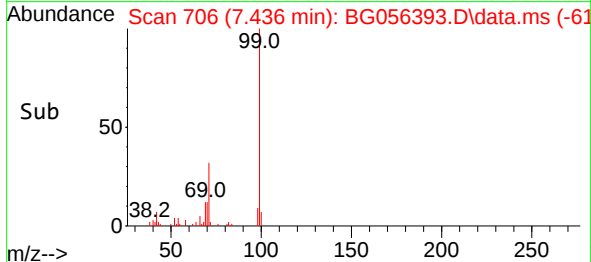
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL



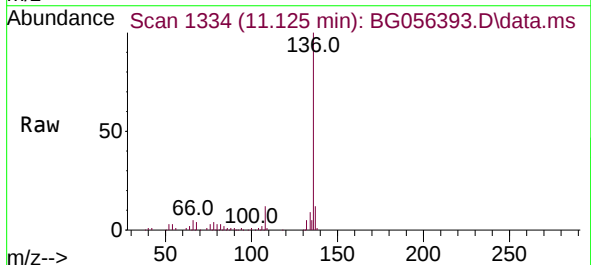
Tgt Ion: 99 Resp: 32288
Ion Ratio Lower Upper
99 100
42 7.3 5.9 8.9
71 32.1 25.4 38.2

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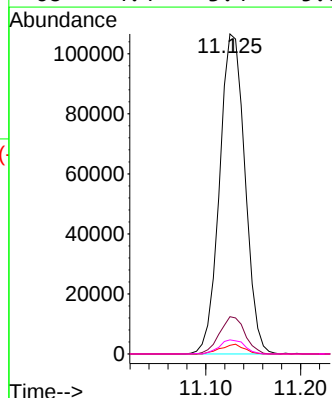
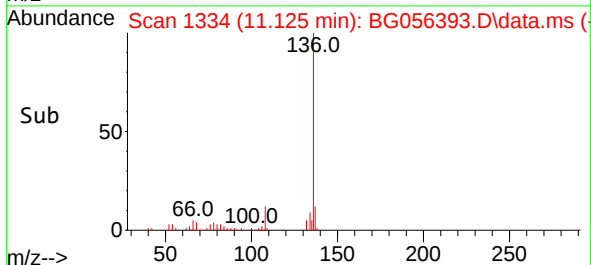
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

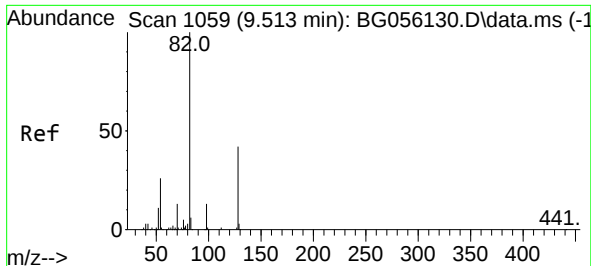


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.125 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12



Tgt Ion:136 Resp: 198234
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 2.7 2.2 3.2
68 4.4 3.4 5.0





#23

Nitrobenzene-d5

Concen: 4.463 ng

RT: 9.474 min Scan# 1053

Delta R.T. -0.012 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Instrument :

BNA_G

ClientSampleId :

EO-02-11923DL

Tgt Ion: 82 Resp: 17295

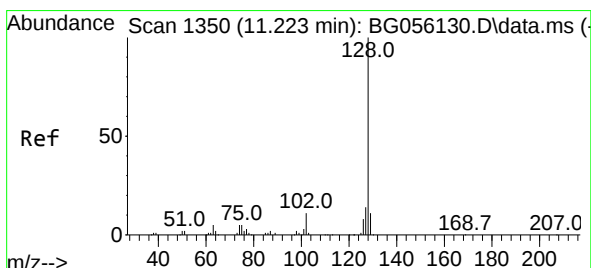
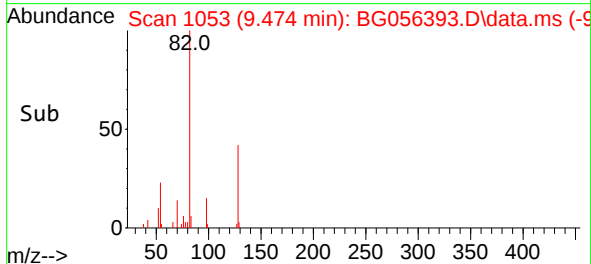
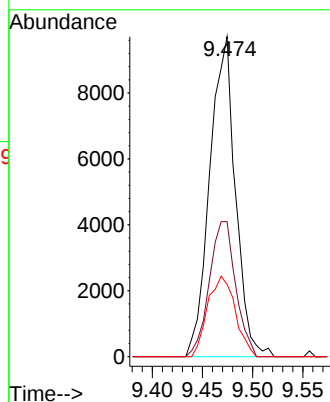
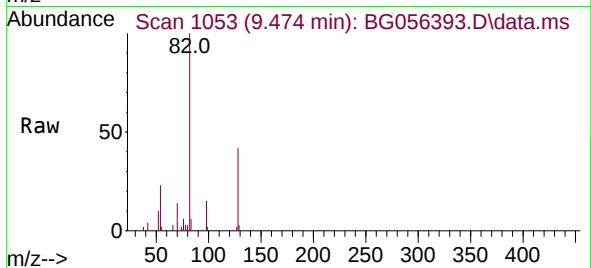
Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.2
54	22.5	20.3	30.5

Manual Integrations

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#31

Naphthalene

Concen: 2.702 ng

RT: 11.178 min Scan# 1343

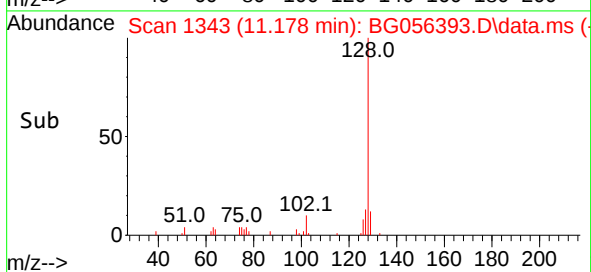
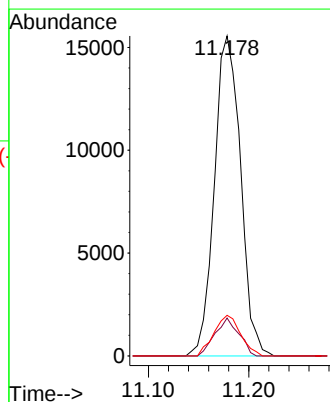
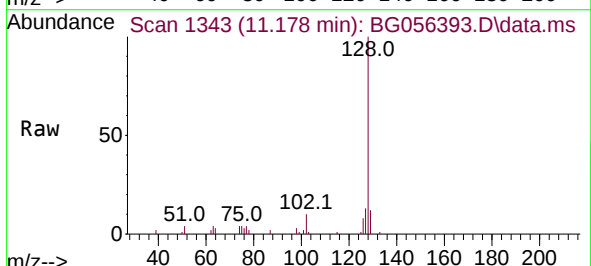
Delta R.T. -0.018 min

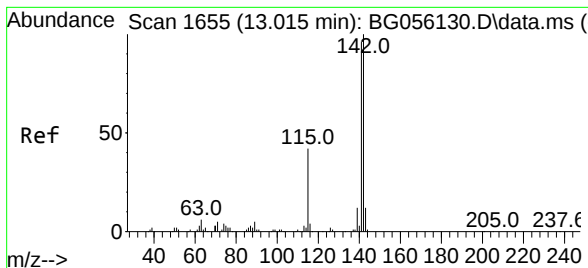
Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Tgt Ion:128 Resp: 28190

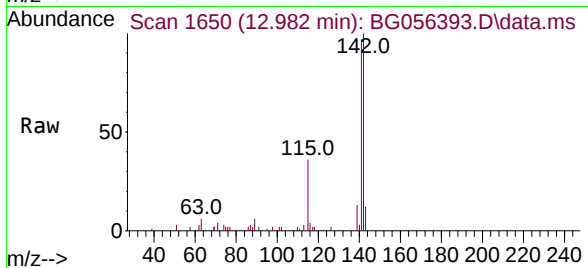
Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	12.7	11.2	16.8





#38
1-Methylnaphthalene
Concen: 2.287 ng
RT: 12.982 min Scan# 10
Delta R.T. -0.007 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

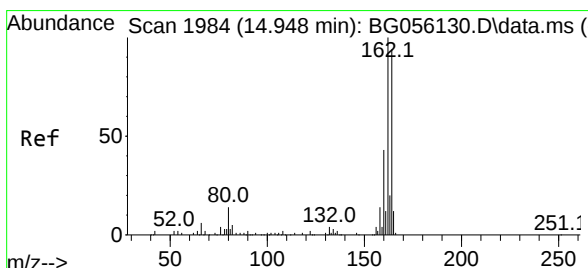
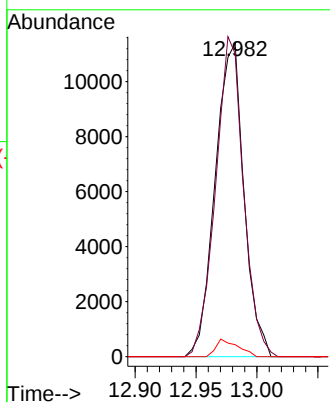
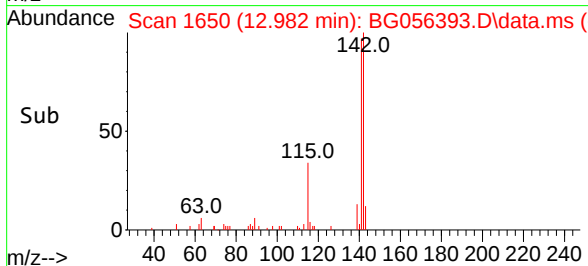
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL



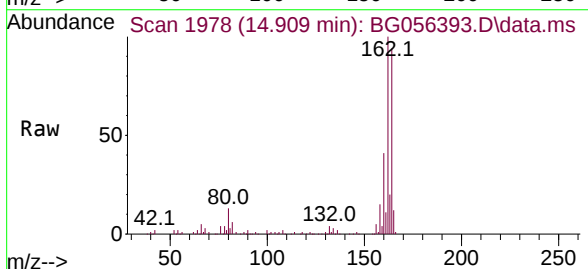
Tgt Ion:142 Resp: 18705
Ion Ratio Lower Upper
142 100
141 96.7 77.0 115.6
116 3.8 3.6 5.4

Manual Integrations
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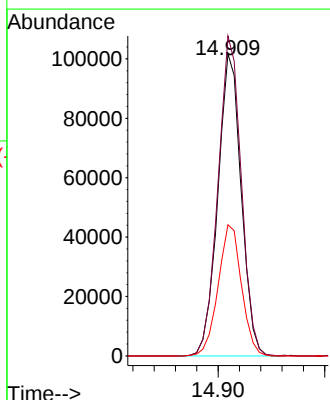
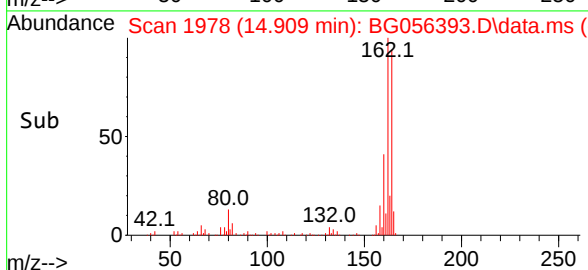
Reviewed By :Christian Giraldo 01/24/2023
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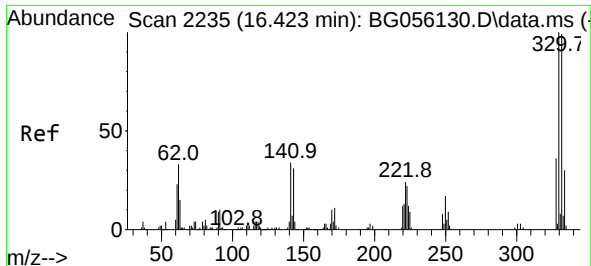


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.909 min Scan# 1978
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12



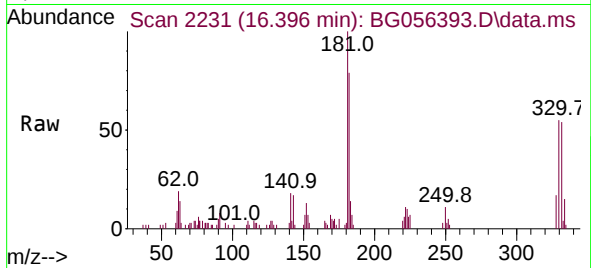
Tgt Ion:164 Resp: 154717
Ion Ratio Lower Upper
164 100
162 105.9 84.7 127.1
160 43.4 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 4.933 ng
RT: 16.396 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

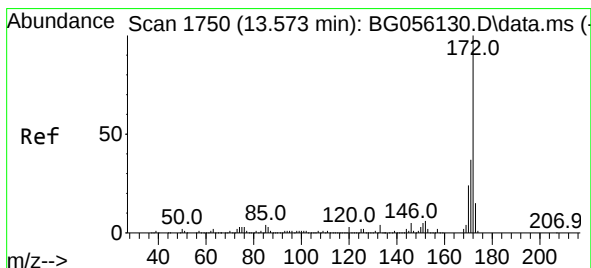
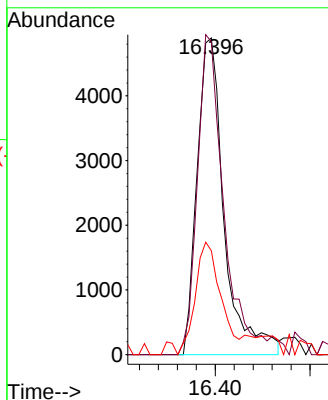
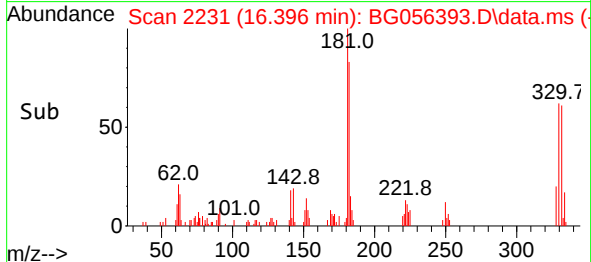
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL



Tgt Ion:330 Resp: 966
Ion Ratio Lower Upper
330 100
332 100.6 77.3 115.9
141 33.5 27.9 41.9

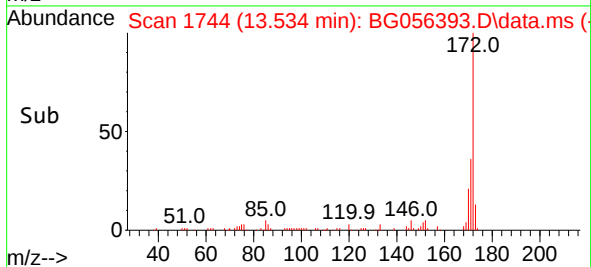
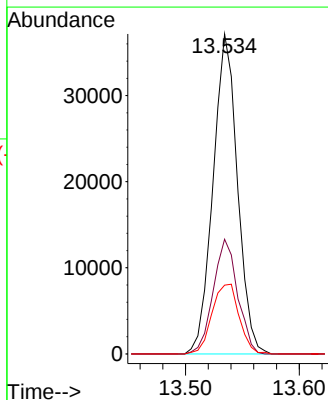
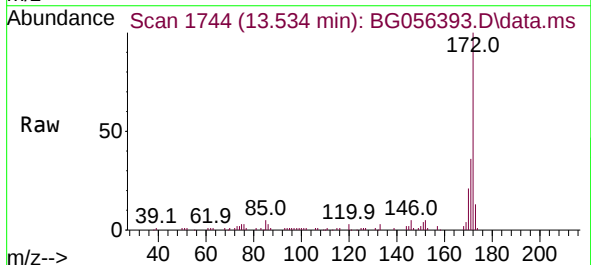
Manual Integrations
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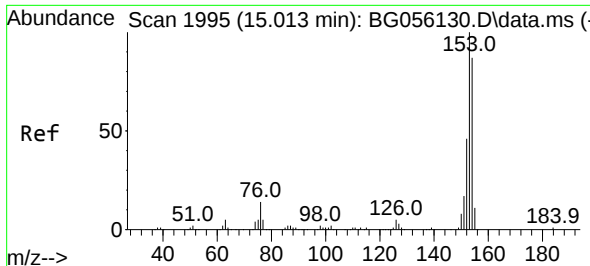
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#45
2-Fluorobiphenyl
Concen: 4.932 ng
RT: 13.534 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

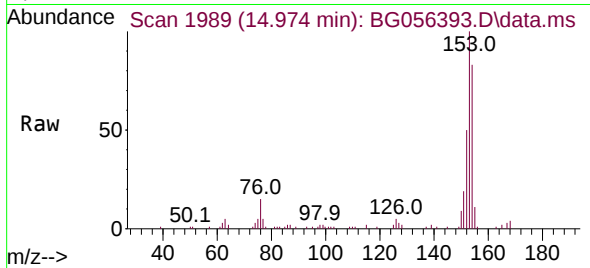
Tgt Ion:172 Resp: 55254
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 21.5 19.4 29.2





#52
Acenaphthene
Concen: 3.281 ng
RT: 14.974 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

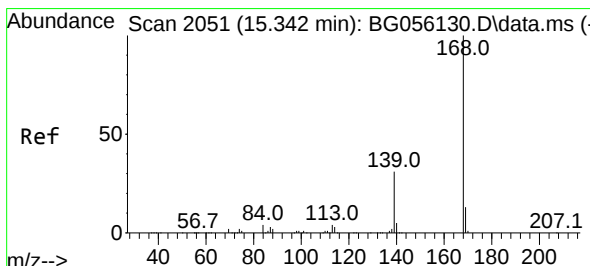
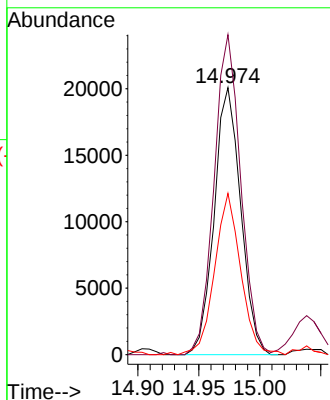
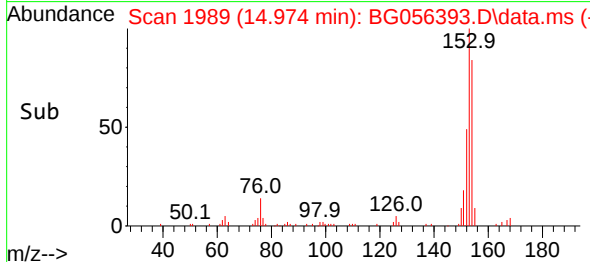
Instrument :
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EO-02-11923DL



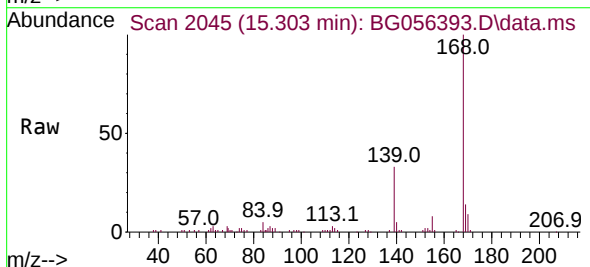
Tgt Ion:154 Resp: 30370
Ion Ratio Lower Upper
154 100
153 119.9 92.0 138.0
152 60.4 42.5 63.7

Manual Integrations
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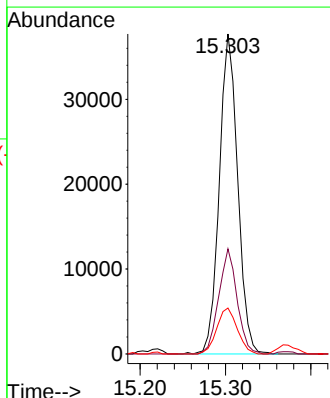
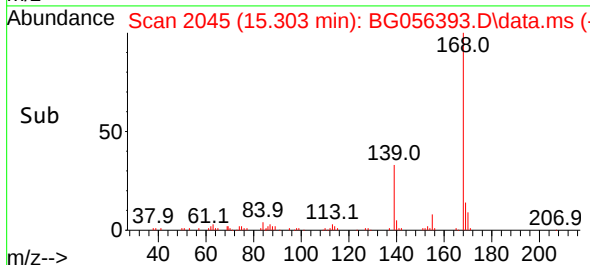
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

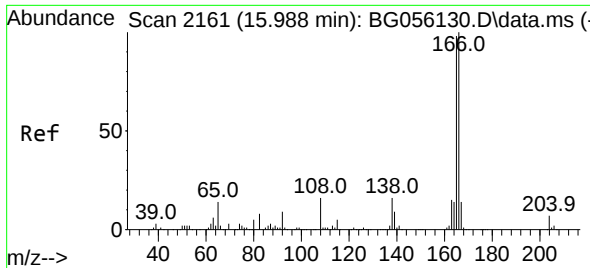


#55
Dibenzofuran
Concen: 3.680 ng
RT: 15.303 min Scan# 2045
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12



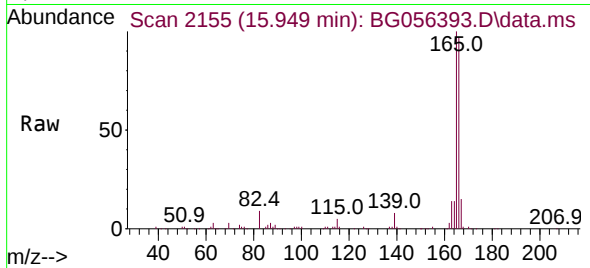
Tgt Ion:168 Resp: 56377
Ion Ratio Lower Upper
168 100
139 32.8 24.7 37.1
169 14.3 10.3 15.5





#58
Fluorene
Concen: 6.912 ng
RT: 15.949 min Scan# 2161
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

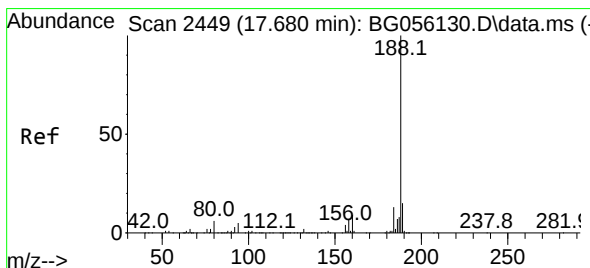
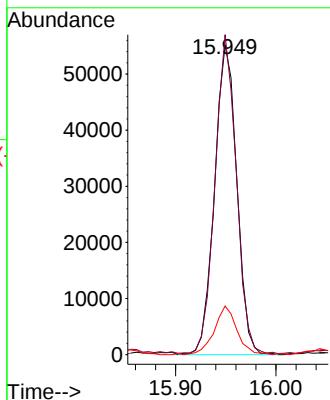
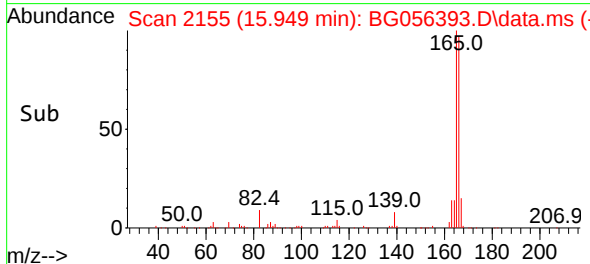
Instrument :
BNA_G
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EO-02-11923DL



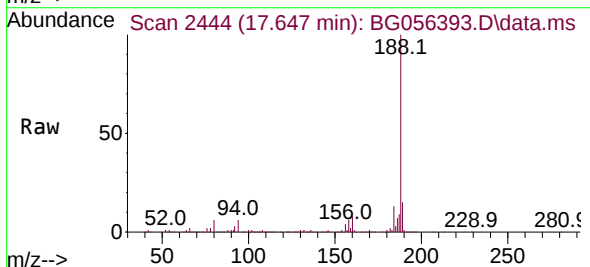
Tgt Ion:166 Resp: 85159
Ion Ratio Lower Upper
166 100
165 103.4 78.6 118.0
167 15.7 11.1 16.7

Manual Integrations
APPROVED

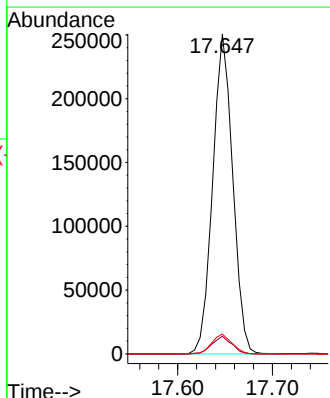
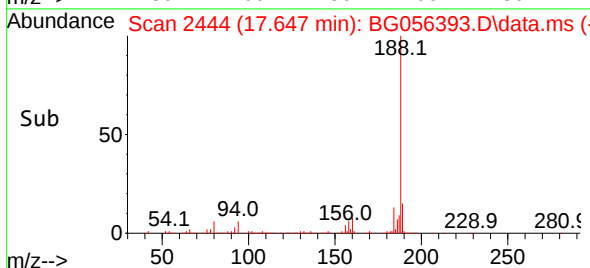
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

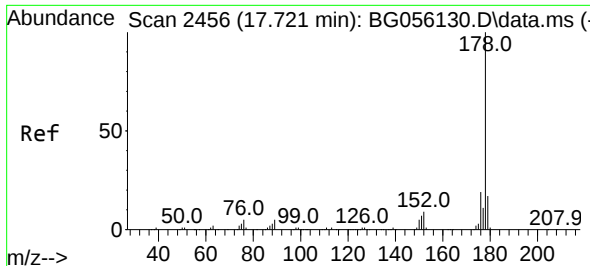


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.647 min Scan# 2444
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12



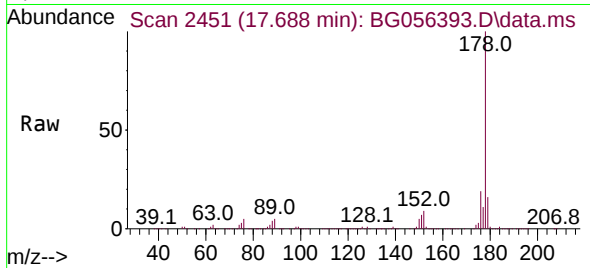
Tgt Ion:188 Resp: 367928
Ion Ratio Lower Upper
188 100
94 5.5 4.2 6.2
80 6.2 5.0 7.4





#71
Phenanthrene
Concen: 34.154 ng
RT: 17.688 min Scan# 2456
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

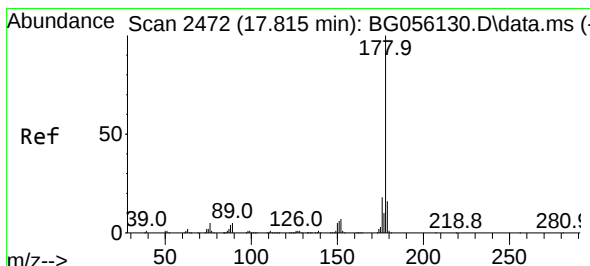
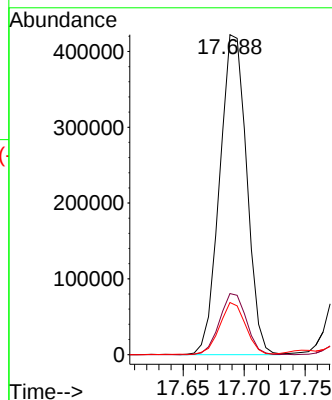
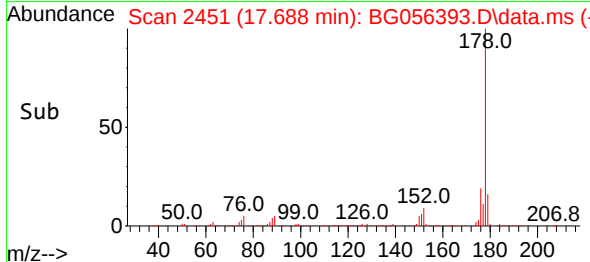
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL



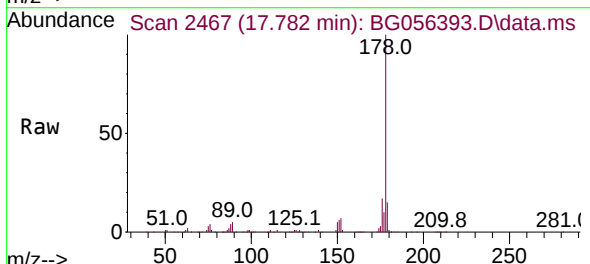
Tgt Ion:178 Resp: 65122
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.3 13.6 20.4

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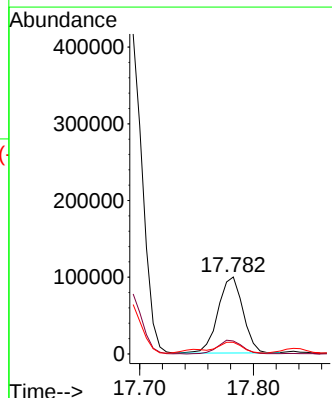
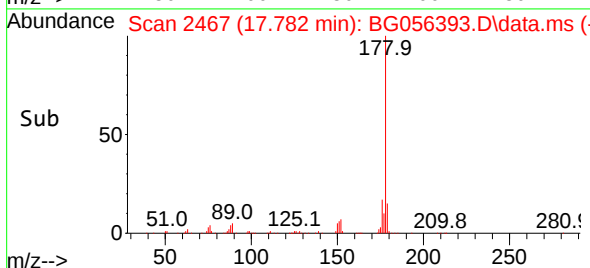
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

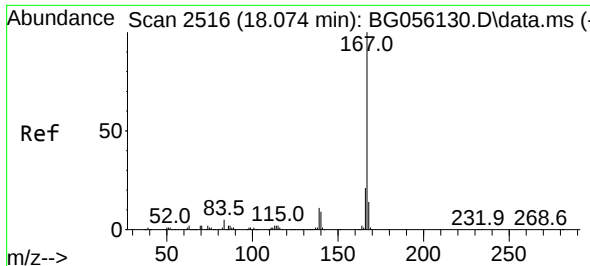


#72
Anthracene
Concen: 7.674 ng
RT: 17.782 min Scan# 2467
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12



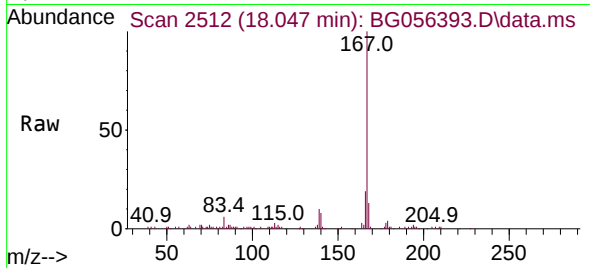
Tgt Ion:178 Resp: 150950
Ion Ratio Lower Upper
178 100
176 16.7 14.6 22.0
179 15.2 12.7 19.1





#73
 Carbazole
 Concen: 3.869 ng
 RT: 18.047 min Scan# 2516
 Delta R.T. -0.007 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

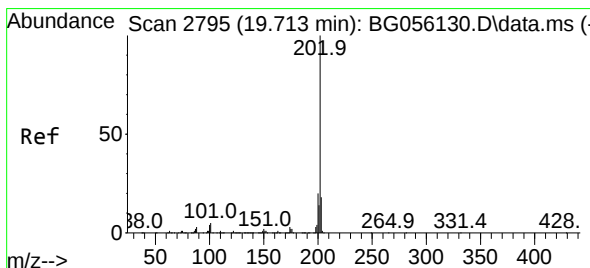
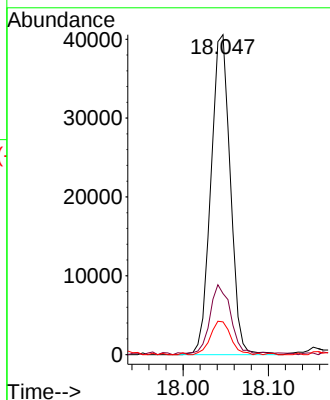
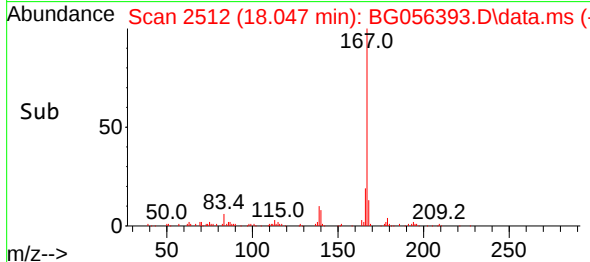
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-11923DL



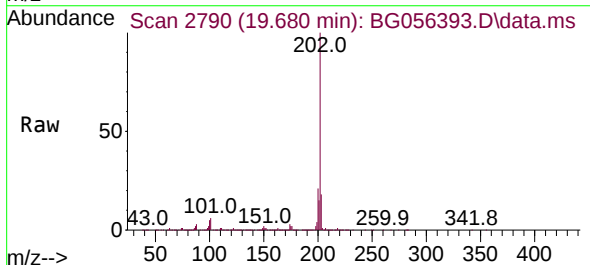
Tgt Ion:167 Resp: 63968
 Ion Ratio Lower Upper
 167 100
 166 19.1 16.8 25.2
 139 10.3 8.9 13.3

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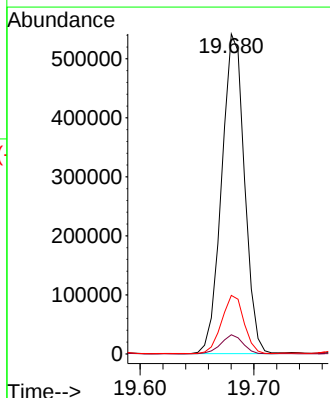
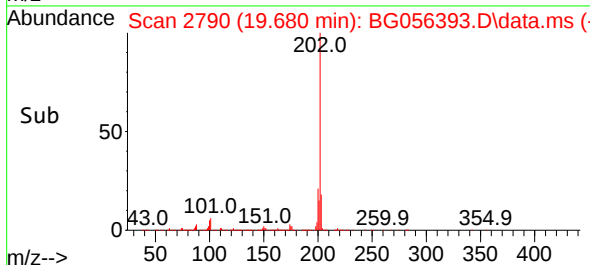
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/24/2023

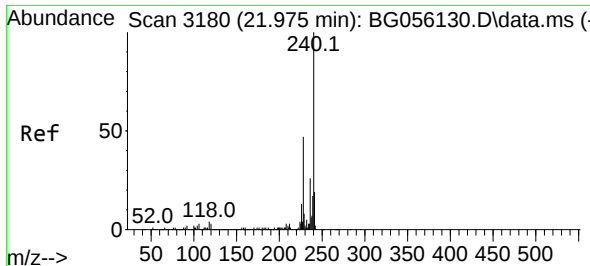


#75
 Fluoranthene
 Concen: 30.318 ng
 RT: 19.680 min Scan# 2790
 Delta R.T. -0.012 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12



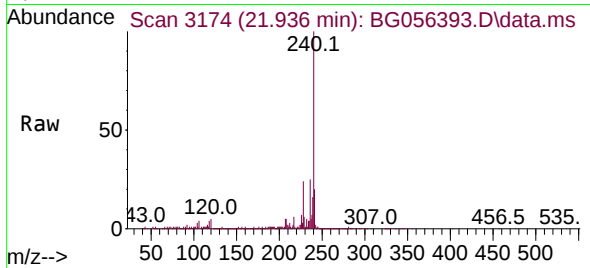
Tgt Ion:202 Resp: 754058
 Ion Ratio Lower Upper
 202 100
 101 6.0 0.0 25.0
 203 18.3 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 3180
Delta R.T. -0.018 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

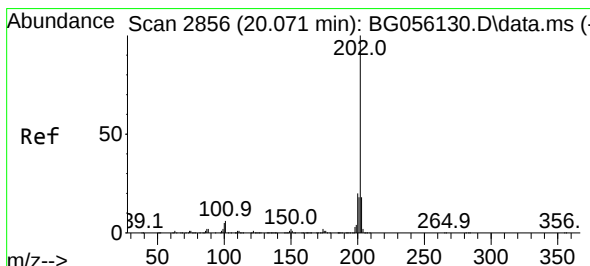
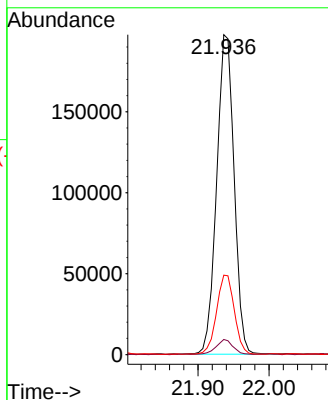
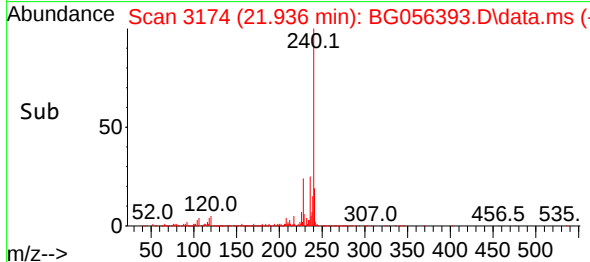
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL



Tgt Ion:240 Resp: 337600
Ion Ratio Lower Upper
240 100
120 4.7 2.6 4.0
236 24.9 20.8 31.2

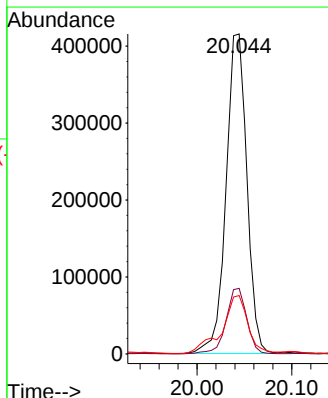
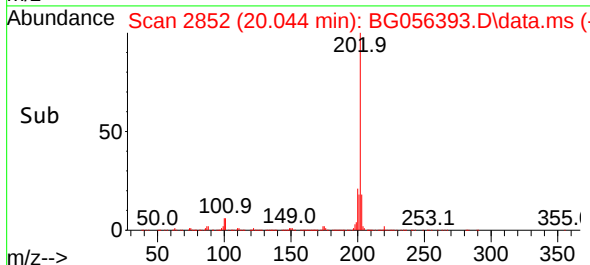
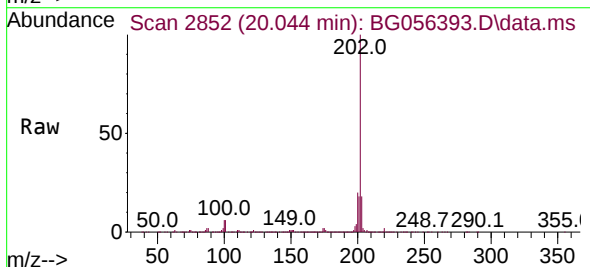
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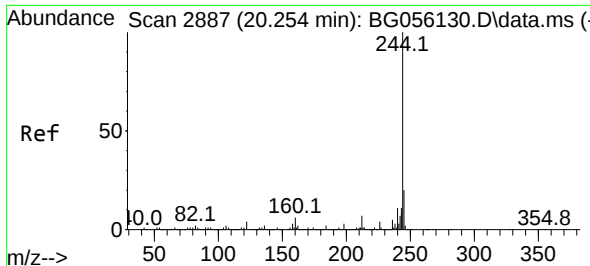
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#78
Pyrene
Concen: 26.662 ng
RT: 20.044 min Scan# 2852
Delta R.T. -0.007 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

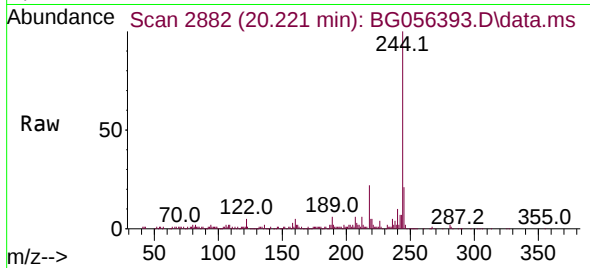
Tgt Ion:202 Resp: 634427
Ion Ratio Lower Upper
202 100
200 20.5 16.4 24.6
203 18.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 4.908 ng
 RT: 20.221 min Scan# 2887
 Delta R.T. -0.012 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

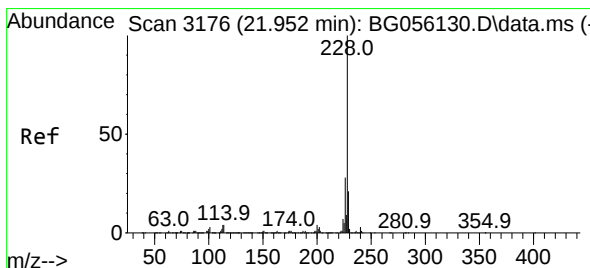
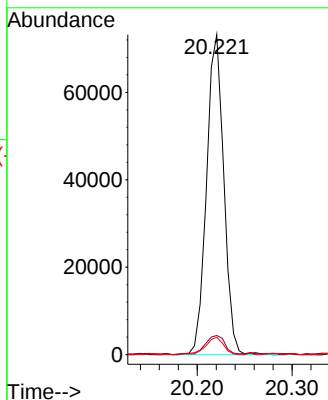
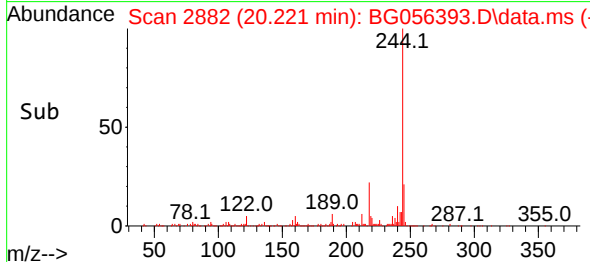
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-11923DL



Tgt Ion:244 Resp: 92511
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.7 8.5
 122 5.4 3.5 5.3

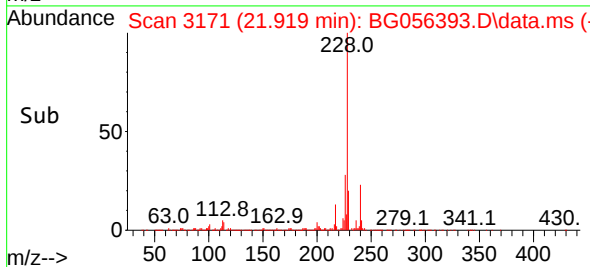
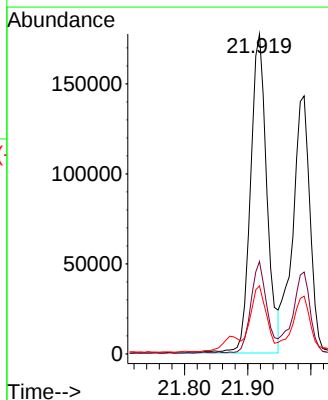
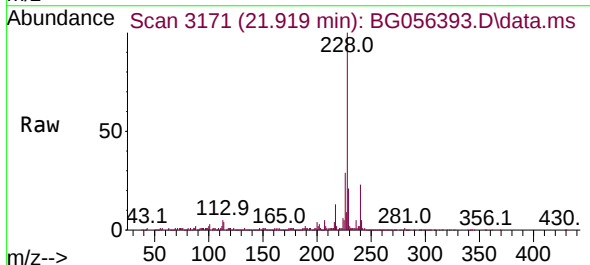
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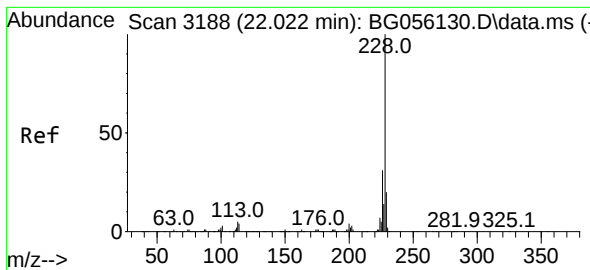
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/24/2023



#81
 Benzo(a)anthracene
 Concen: 13.439 ng
 RT: 21.919 min Scan# 3171
 Delta R.T. -0.012 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

Tgt Ion:228 Resp: 318671
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 34.0
 229 21.3 16.9 25.3





#83

Chrysene

Concen: 12.255 ng

RT: 21.989 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Instrument :

BNA_G

ClientSampleId :

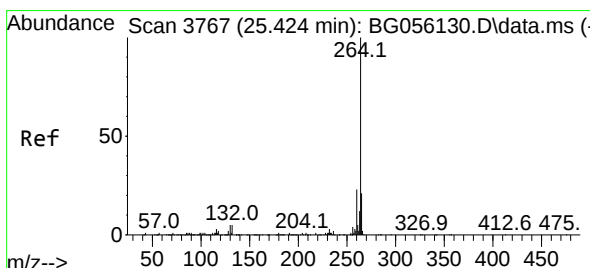
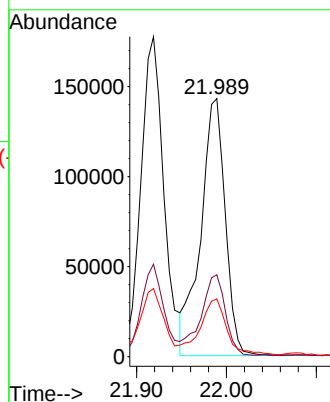
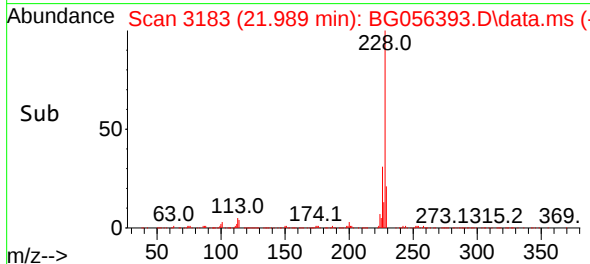
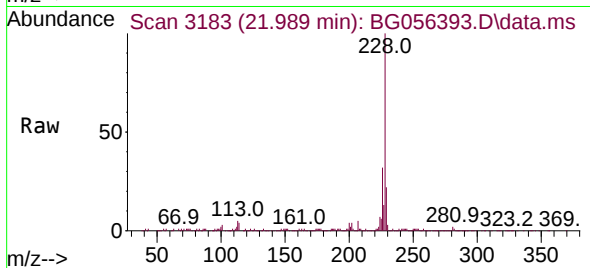
EO-02-11923DL

Tgt Ion:	228	Resp:	272192
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.6	36.8
229	22.3	15.8	23.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#86

Perylene-d12

Concen: 20.000 ng

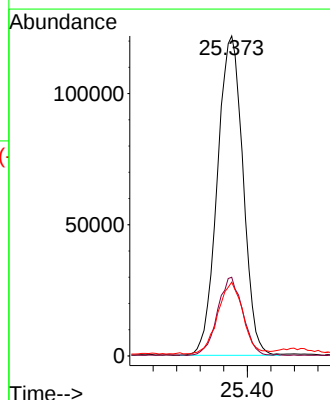
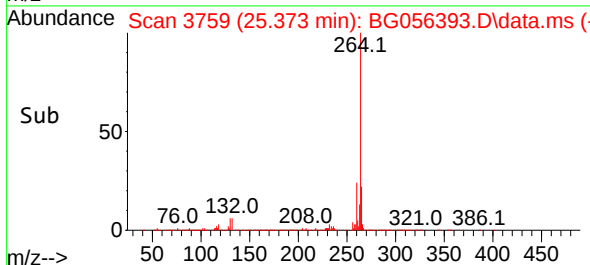
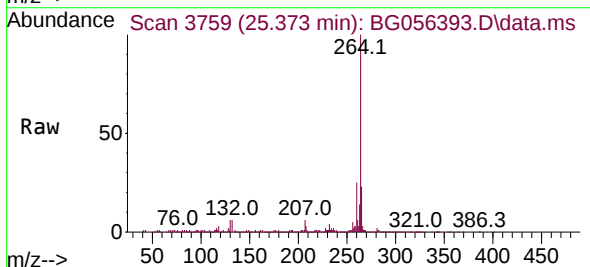
RT: 25.373 min Scan# 3759

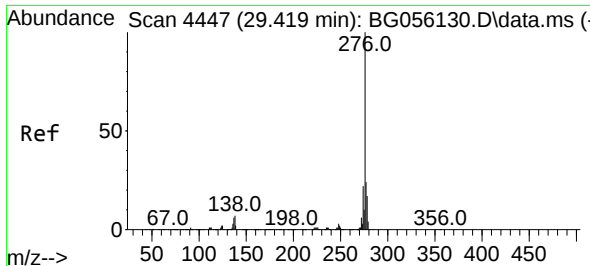
Delta R.T. -0.018 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

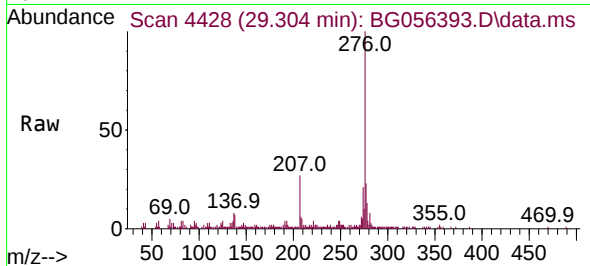
Tgt Ion:	264	Resp:	368547
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.6	28.0
265	23.0	16.7	25.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.228 ng
 RT: 29.304 min Scan# 4447
 Delta R.T. -0.054 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

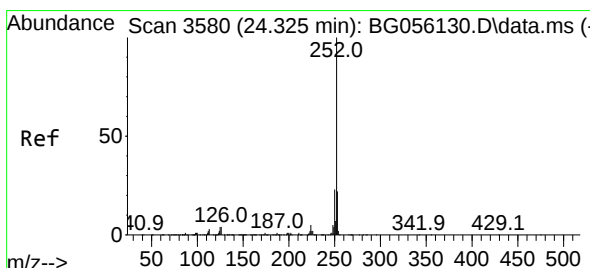
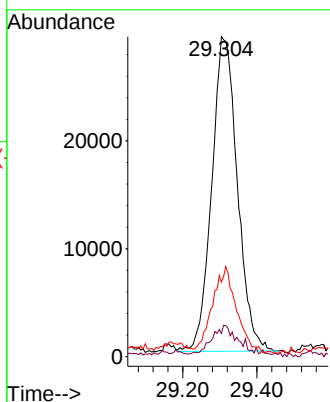
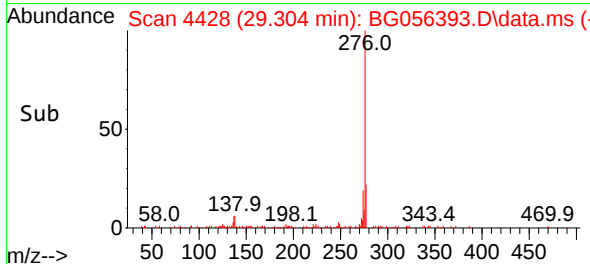
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-11923DL



Tgt Ion:276 Resp: 140119
 Ion Ratio Lower Upper
 276 100
 138 8.7 5.0 7.4#
 277 25.4 20.5 30.7

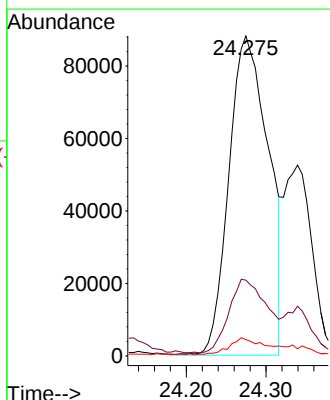
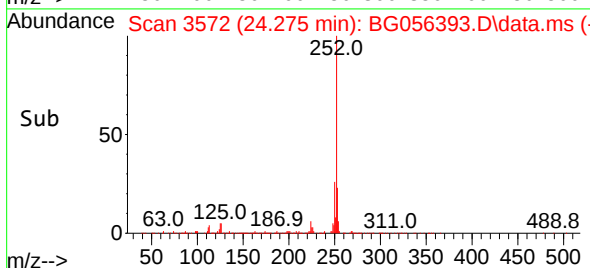
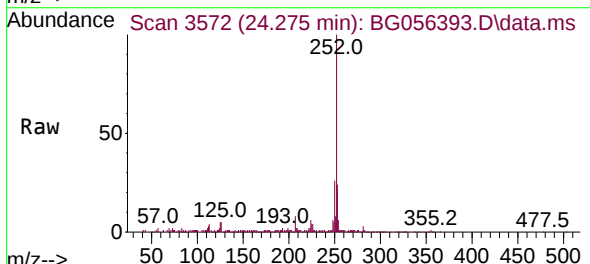
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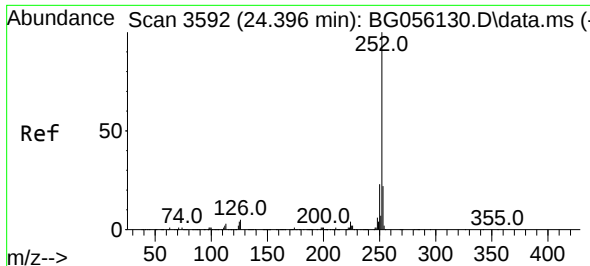
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/24/2023



#88
 Benzo(b)fluoranthene
 Concen: 12.936 ng m
 RT: 24.275 min Scan# 3572
 Delta R.T. -0.018 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

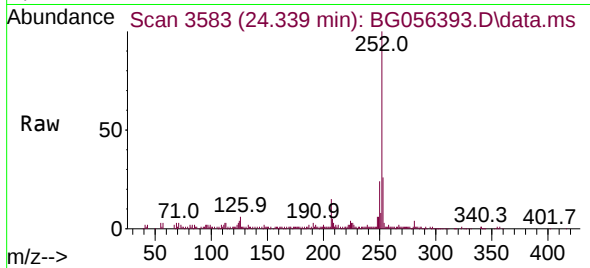
Tgt Ion:252 Resp: 302900
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.4 26.2
 125 5.1 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 5.466 ng m
RT: 24.339 min Scan# 31
Delta R.T. -0.030 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

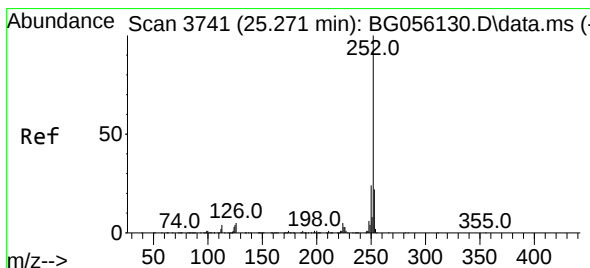
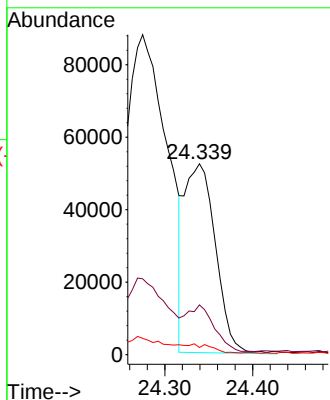
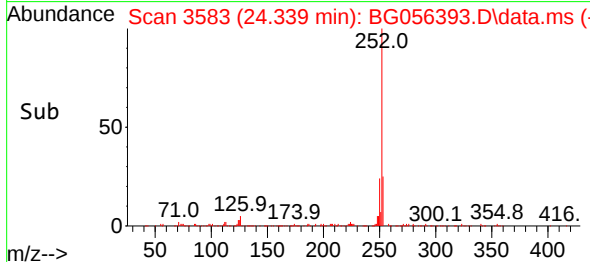
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL



Tgt Ion:252 Resp: 12744
Ion Ratio Lower Upper
252 100
253 26.0 17.5 26.3
125 3.7 3.4 5.0

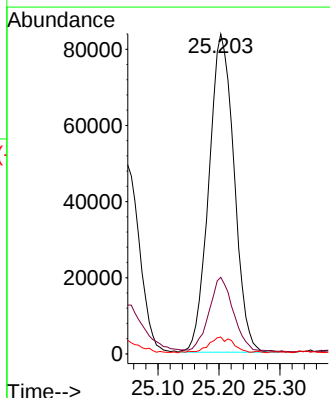
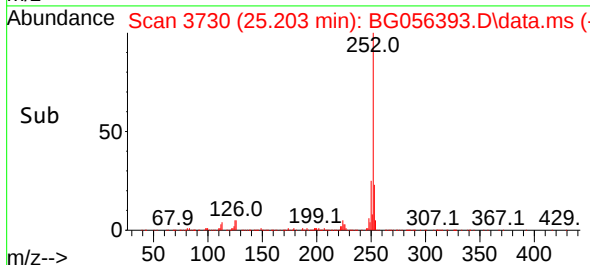
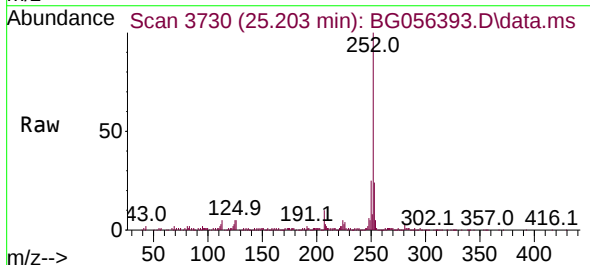
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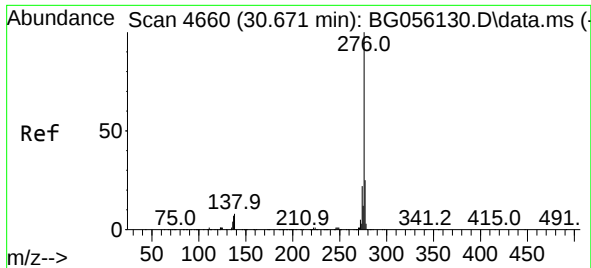
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#90
Benzo(a)pyrene
Concen: 10.517 ng
RT: 25.203 min Scan# 3730
Delta R.T. -0.024 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

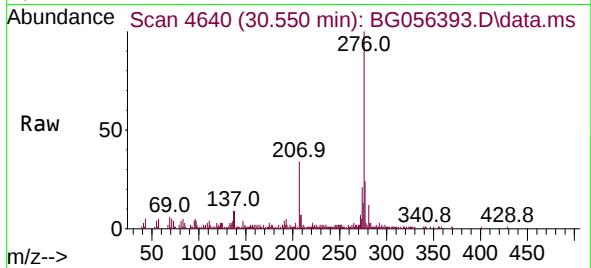
Tgt Ion:252 Resp: 240201
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 5.3 3.2 4.8#





#92
 Benzo(g,h,i)perylene
 Concen: 5.883 ng
 RT: 30.550 min Scan# 4640
 Delta R.T. -0.048 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-11923DL



Tgt Ion:276 Resp: 128205
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.7 29.5
 138 8.6 6.7 10.1

Manual Integrations
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Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/24/2023

