

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054379.D
 Acq On : 25 Jul 2022 14:27
 Operator : CG/JU
 Sample : N3814-07DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(0-5)DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/26/2022
 Supervised By : Jagrut Upadhyay 07/26/2022

Quant Time: Jul 26 00:54:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	25110	20.000	ng	-0.01
21) Naphthalene-d8	10.798	136	93976	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	73544	20.000	ng	-0.01
64) Phenanthrene-d10	17.372	188	191101	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	215224	20.000	ng	# 0.00
86) Perylene-d12	24.840	264	231021	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	16287	13.543	ng	0.00
7) Phenol-d6	7.167	99	21829	13.246	ng	0.00
23) Nitrobenzene-d5	9.152	82	14379	8.332	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	20444	13.240	ng	-0.01
45) 2-Fluorobiphenyl	13.248	172	43338	8.313	ng	-0.01
79) Terphenyl-d14	19.975	244	94588	8.719	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.413	178	155803	16.372	ng	97
72) Anthracene	17.501	178	36596	3.919	ng	99
75) Fluoranthene	19.429	202	374221	28.846	ng	96
78) Pyrene	19.787	202	333661	27.018	ng	98
81) Benzo(a)anthracene	21.614	228	227716	16.668	ng	98
83) Chrysene	21.679	228	198156	15.352	ng	95
84) Bis(2-ethylhexyl)phtha...	21.514	149	18728	3.439	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.512	276	145509m	8.279	ng	
88) Benzo(b)fluoranthene	23.829	252	282548	20.681	ng	# 98
89) Benzo(k)fluoranthene	23.882	252	81270m	5.977	ng	
90) Benzo(a)pyrene	24.693	252	202695m	17.372	ng	
92) Benzo(g,h,i)perylene	29.640	276	137209	9.620	ng	# 93

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

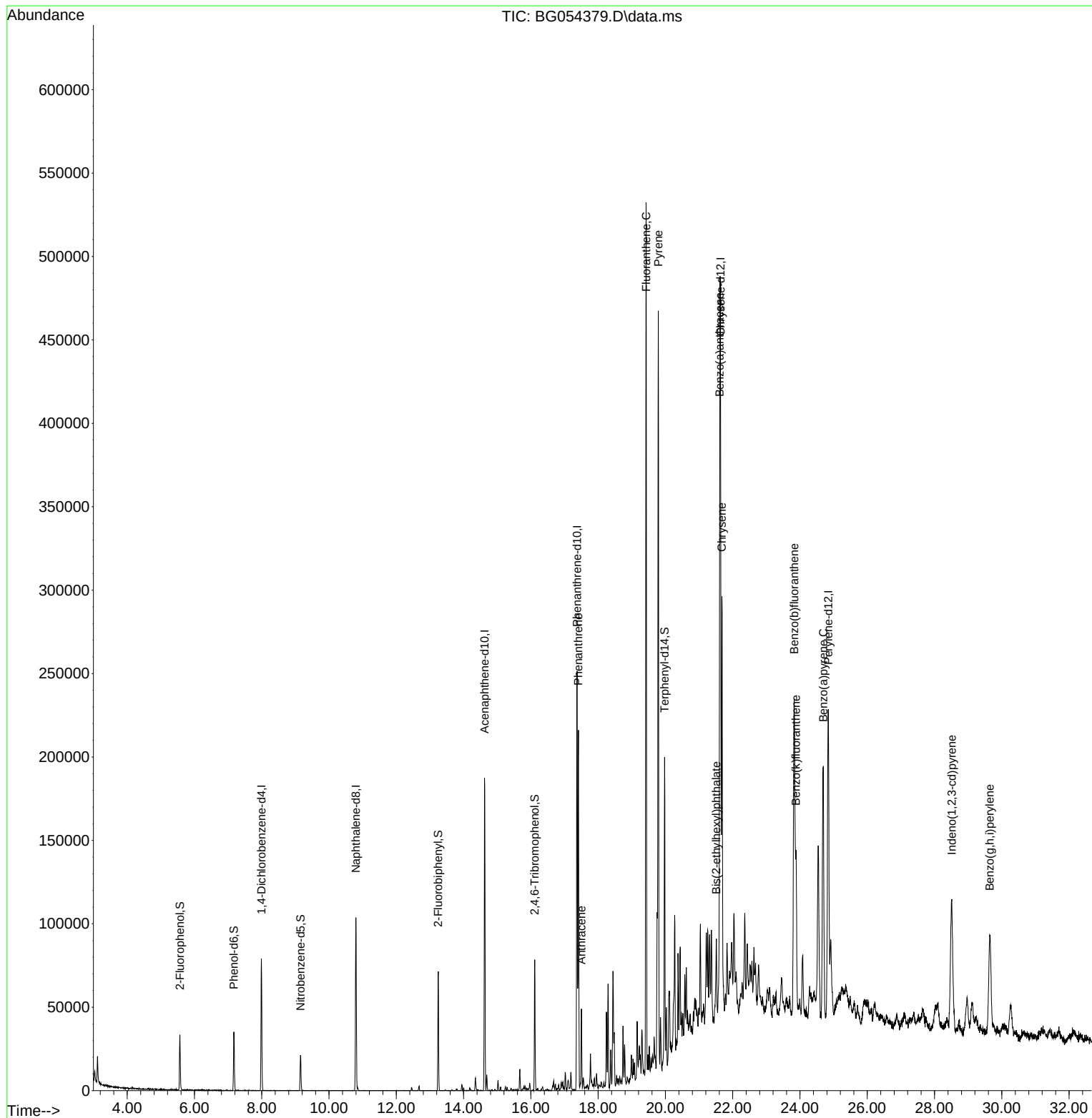
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054379.D
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ALS Vial : 7 Sample Multiplier: 1

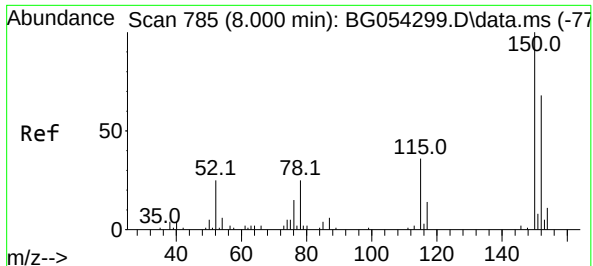
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Quant Time: Jul 26 00:54:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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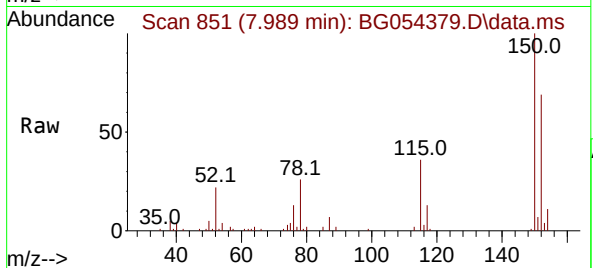
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

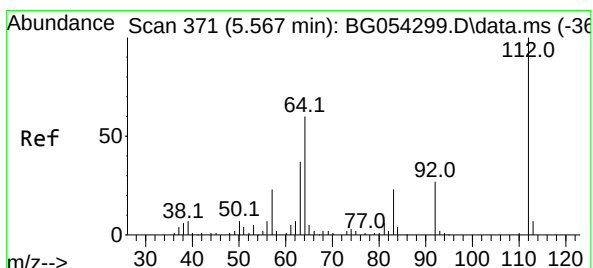
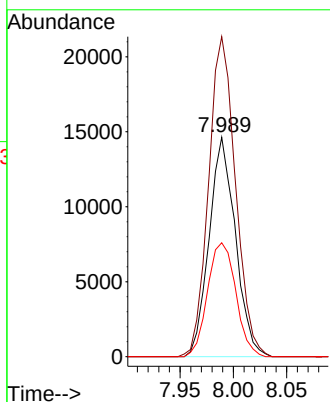
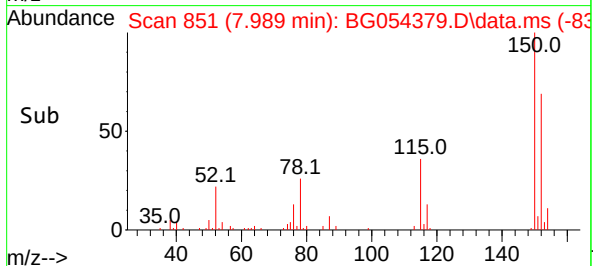
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL



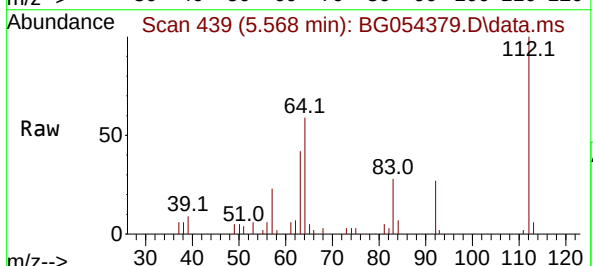
Tgt Ion:152 Resp: 25110
Ion Ratio Lower Upper
152 100
150 145.9 131.6 197.4
115 52.0 50.9 76.3

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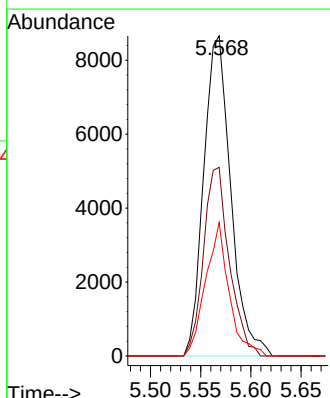
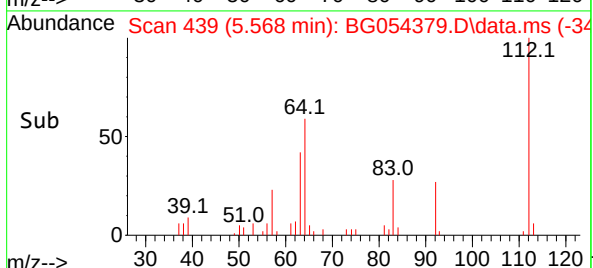
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

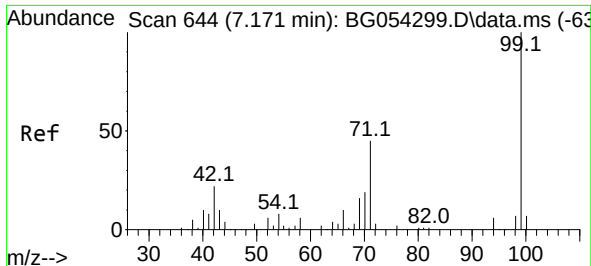


#5
2-Fluorophenol
Concen: 13.543 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.001 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27



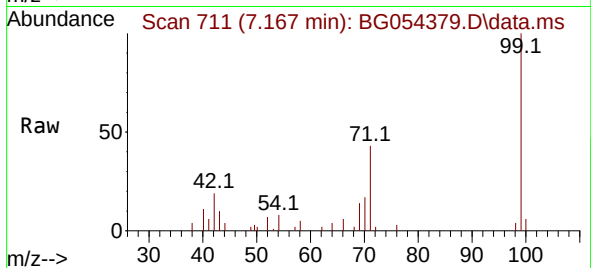
Tgt Ion:112 Resp: 16287
Ion Ratio Lower Upper
112 100
64 59.0 55.1 82.7
63 41.7 30.4 45.6





#7
Phenol-d6
Concen: 13.246 ng
RT: 7.167 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

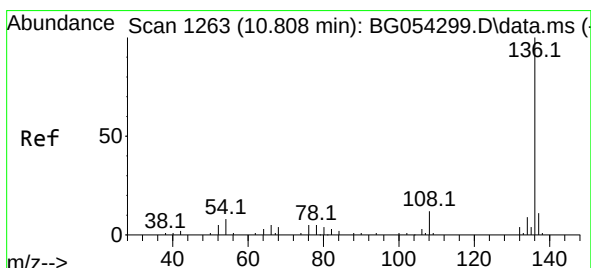
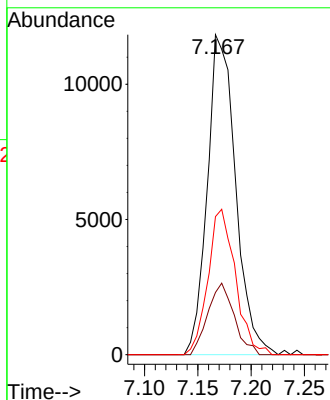
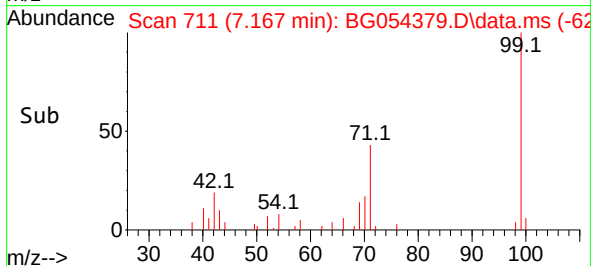
Instrument :
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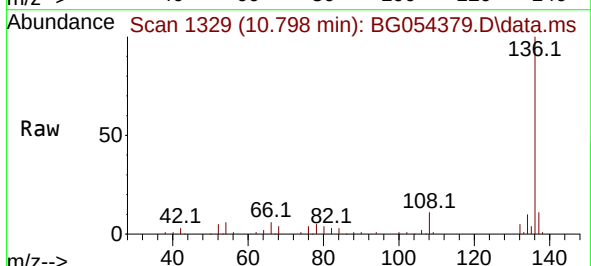
Tgt Ion: 99 Resp: 21829
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.6
71 43.2 33.8 50.8

Manual Integrations
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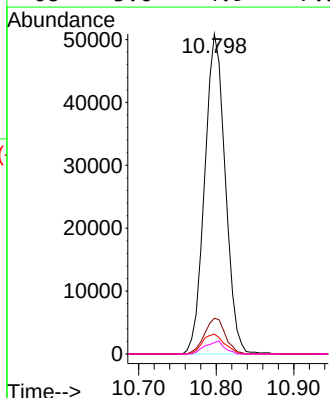
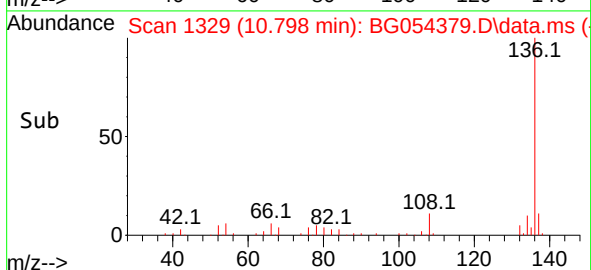
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

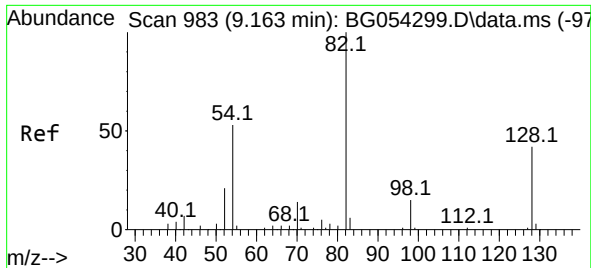


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1329
Delta R.T. -0.010 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27



Tgt Ion:136 Resp: 93976
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 6.2 7.4 11.2#
68 3.6 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 8.332 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

Instrument :

BNA_G

ClientSampleId :

ENV-DE-2(0-5)DL

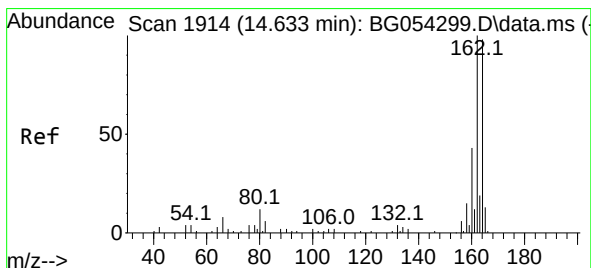
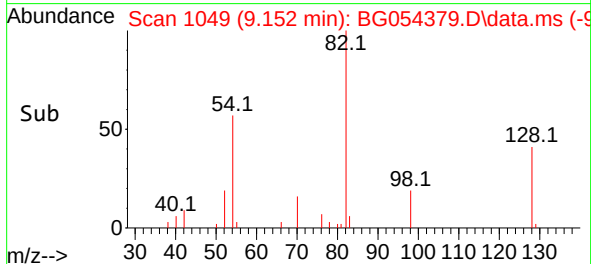
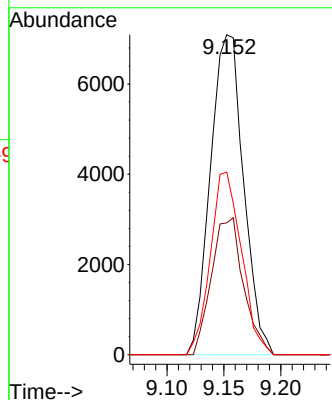
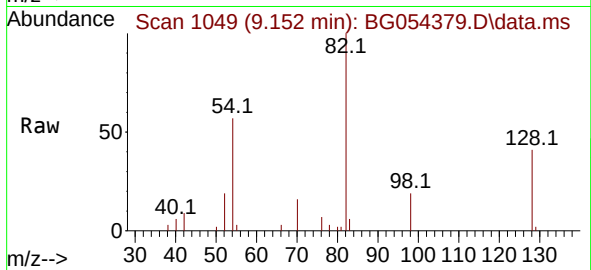
Tgt Ion: 82 Resp: 14379
Ion Ratio Lower Upper
82 100
128 41.2 27.9 41.9
54 57.1 41.2 61.8

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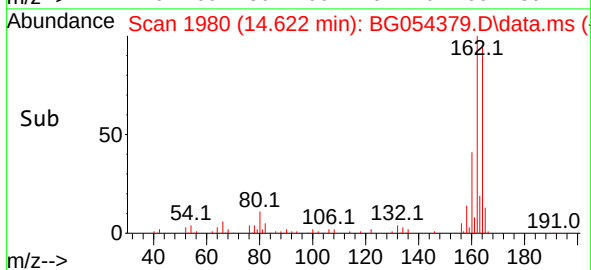
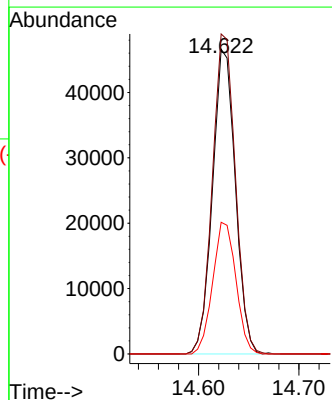
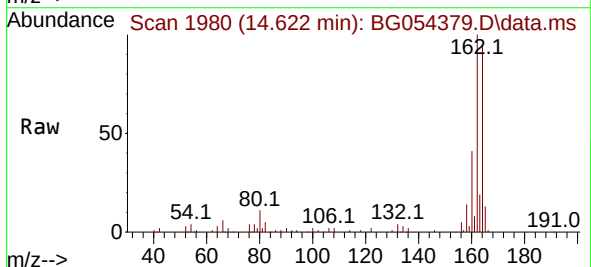
Reviewed By :Christian Giraldo 07/26/2022

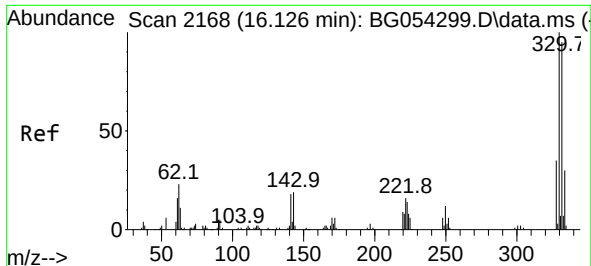
Supervised By :Jagrut Upadhyay 07/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

Tgt Ion:164 Resp: 73544
Ion Ratio Lower Upper
164 100
162 105.0 82.3 123.5
160 43.2 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 13.240 ng
RT: 16.115 min Scan# 2168
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

Instrument :

BNA_G

ClientSampleId :

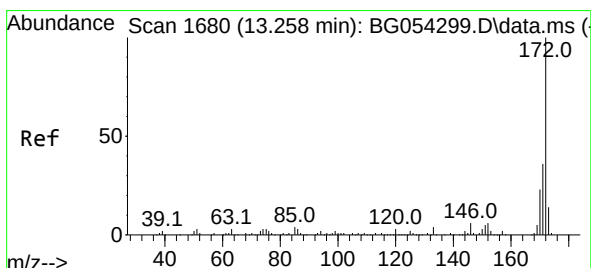
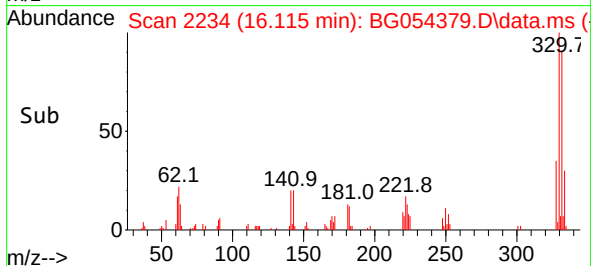
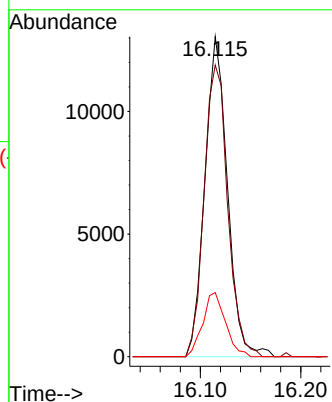
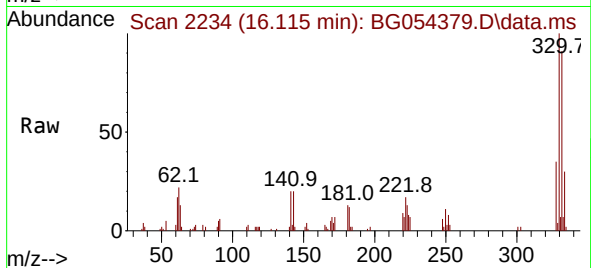
ENV-DE-2(0-5)DL

Tgt Ion:330 Resp: 2044
Ion Ratio Lower Upper
330 100
332 95.3 76.0 114.0
141 20.2 27.1 40.7

Manual Integrations

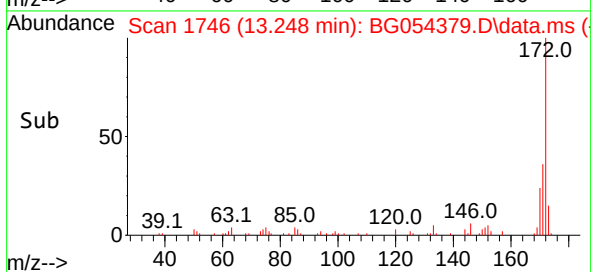
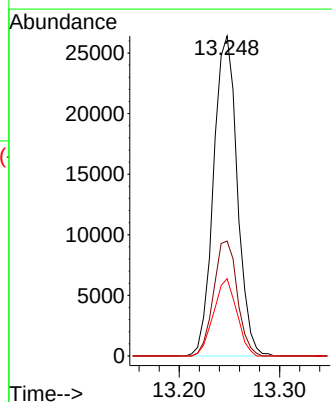
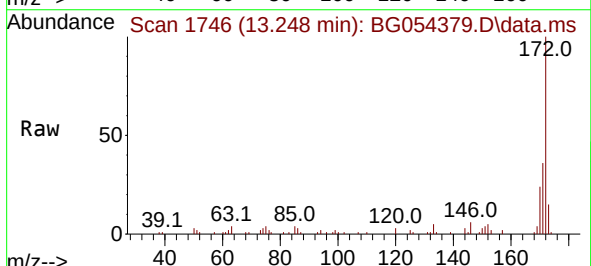
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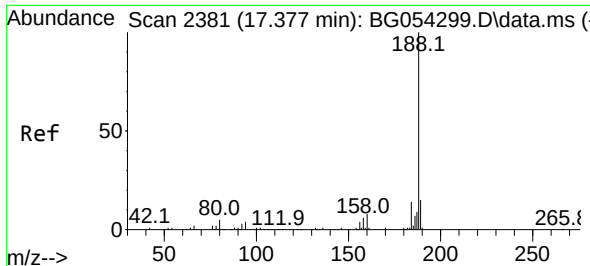
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#45
2-Fluorobiphenyl
Concen: 8.313 ng
RT: 13.248 min Scan# 1746
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

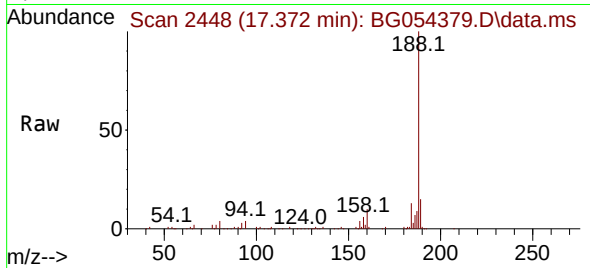
Tgt Ion:172 Resp: 43338
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.2 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

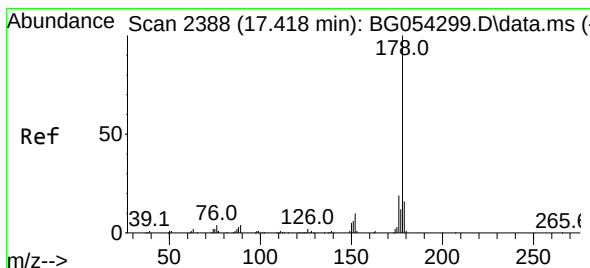
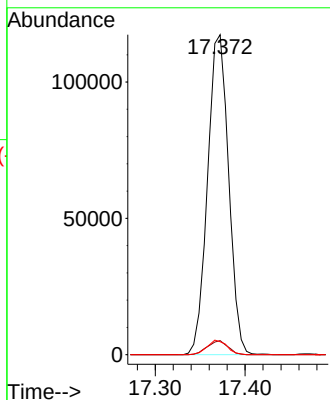
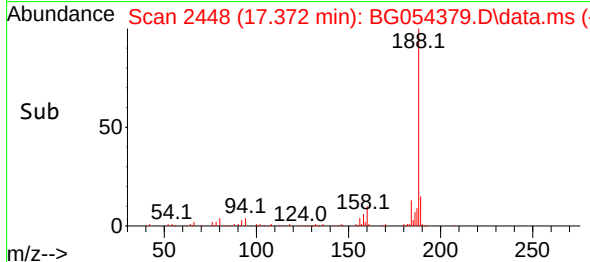
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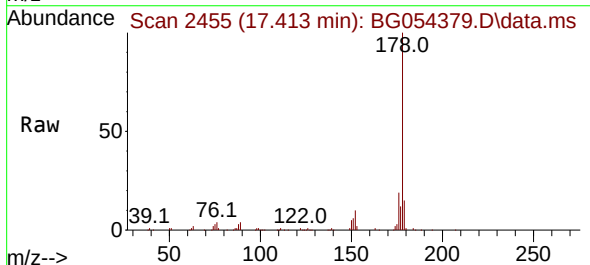
Tgt Ion:188 Resp: 19110
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0
80 4.1 6.8 10.2

Manual Integrations
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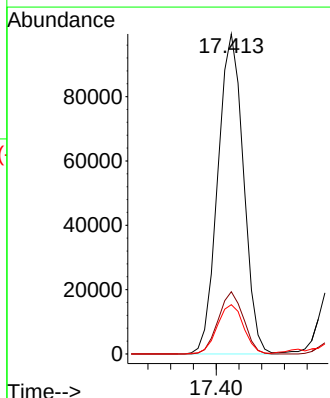
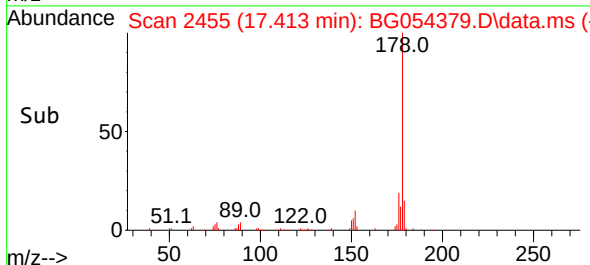
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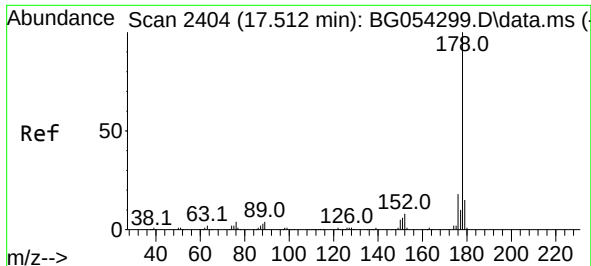


#71
Phenanthrene
Concen: 16.372 ng
RT: 17.413 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27



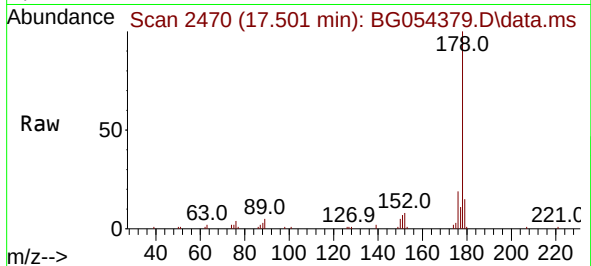
Tgt Ion:178 Resp: 155803
Ion Ratio Lower Upper
178 100
176 19.5 14.1 21.1
179 15.4 12.1 18.1





#72
 Anthracene
 Concen: 3.919 ng
 RT: 17.501 min Scan# 2404
 Delta R.T. -0.011 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27

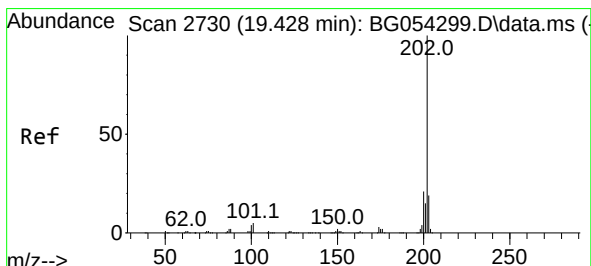
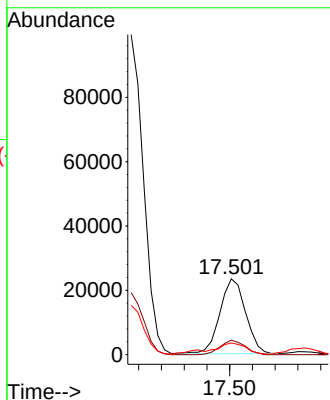
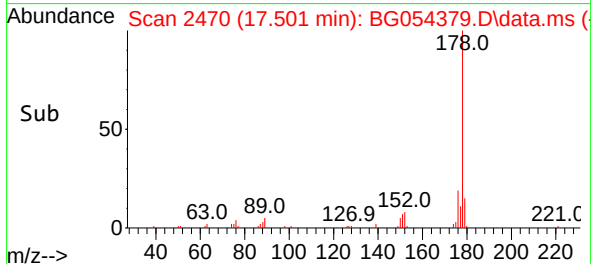
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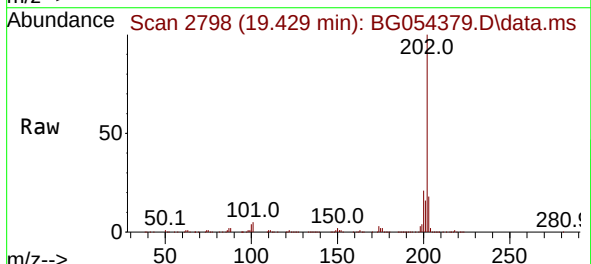
Tgt Ion:178 Resp: 36590
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.2 22.8
 179 15.4 13.0 19.4

Manual Integrations
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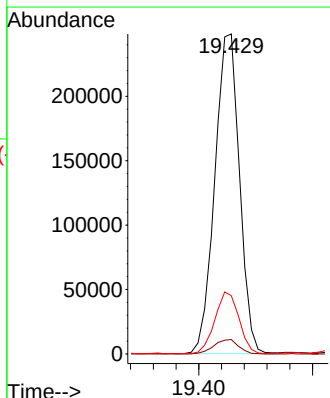
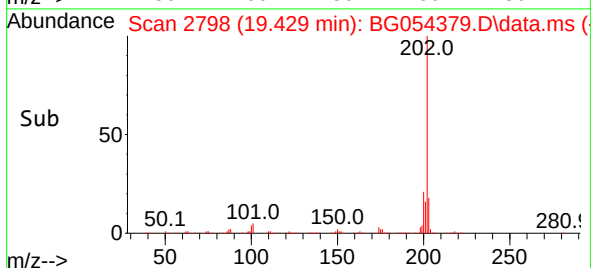
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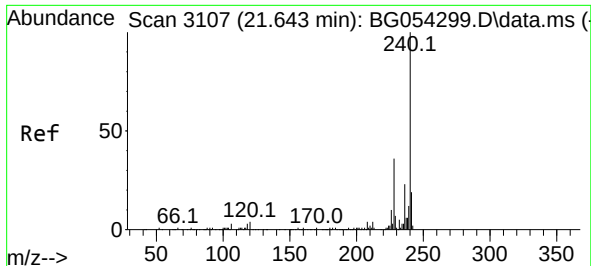


#75
 Fluoranthene
 Concen: 28.846 ng
 RT: 19.429 min Scan# 2798
 Delta R.T. 0.001 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27



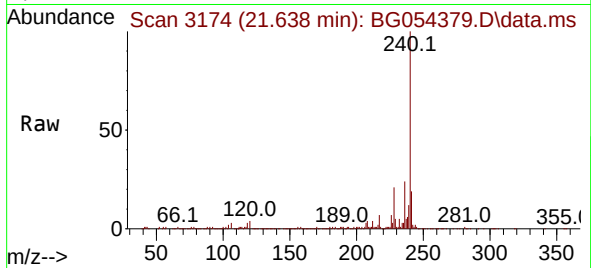
Tgt Ion:202 Resp: 374221
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 26.9
 203 18.2 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3107
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

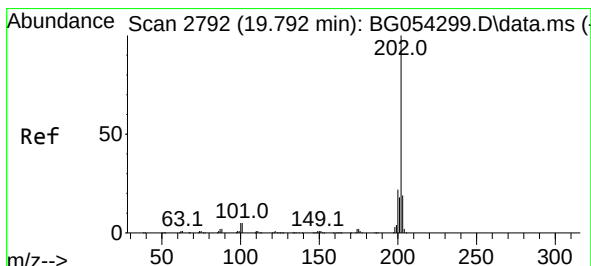
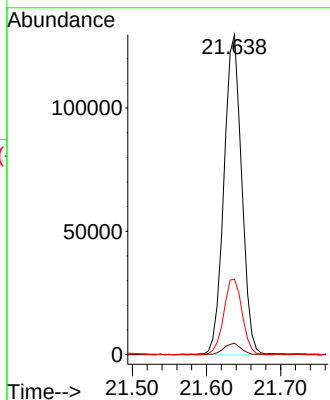
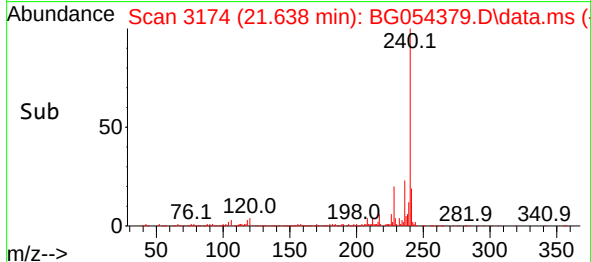
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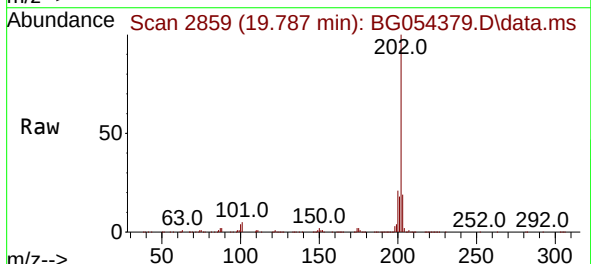
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Ion Ratio Lower Upper
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120 3.6 4.6 7.0
236 23.5 20.2 30.4

Manual Integrations
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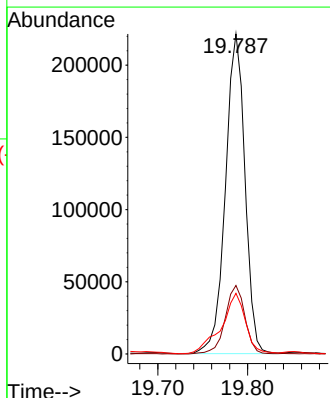
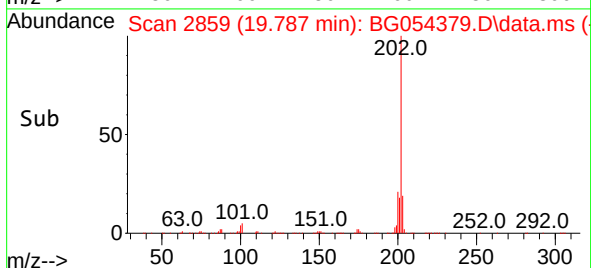
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

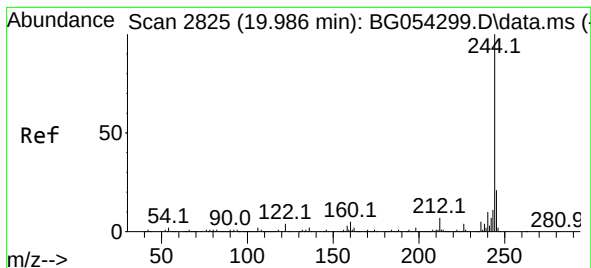


#78
Pyrene
Concen: 27.018 ng
RT: 19.787 min Scan# 2859
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27



Tgt Ion:202 Resp: 333661
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 19.0 14.6 21.8





#79

Terphenyl-d14

Concen: 8.719 ng

RT: 19.975 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG054379.D

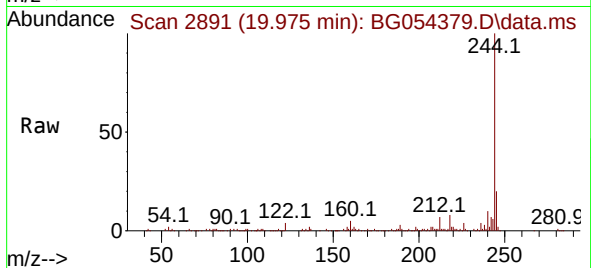
Acq: 25 Jul 2022 14:27

Instrument :

BNA_G

ClientSampleId :

ENV-DE-2(0-5)DL



Tgt Ion:244 Resp: 9458

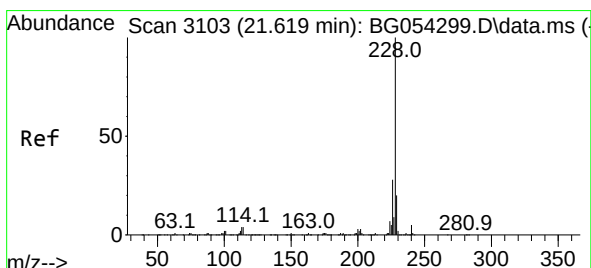
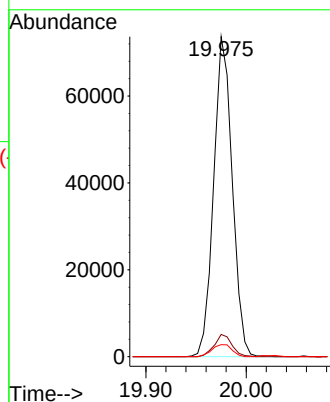
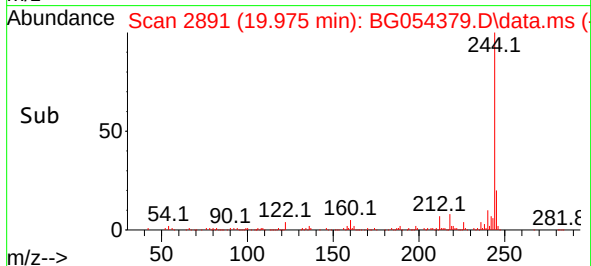
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.5	9.7
122	3.8	5.0	7.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022



#81

Benzo(a)anthracene

Concen: 16.668 ng

RT: 21.614 min Scan# 3170

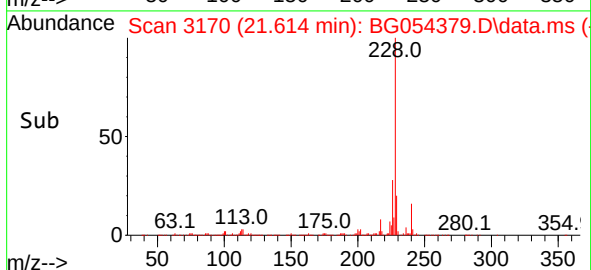
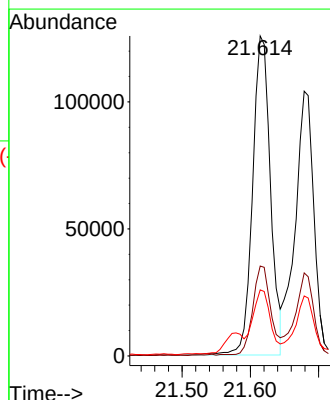
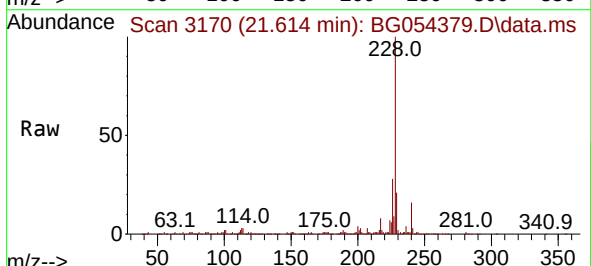
Delta R.T. -0.005 min

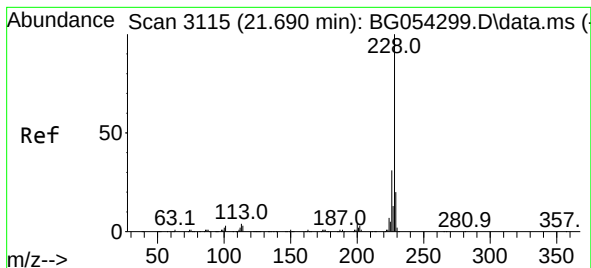
Lab File: BG054379.D

Acq: 25 Jul 2022 14:27

Tgt Ion:228 Resp: 227716

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.6	32.4
229	20.6	16.2	24.2





#83

Chrysene

Concen: 15.352 ng

RT: 21.679 min Scan# 3115

Delta R.T. -0.011 min

Lab File: BG054379.D

Acq: 25 Jul 2022 14:27

Instrument :

BNA_G

ClientSampleId :

ENV-DE-2(0-5)DL

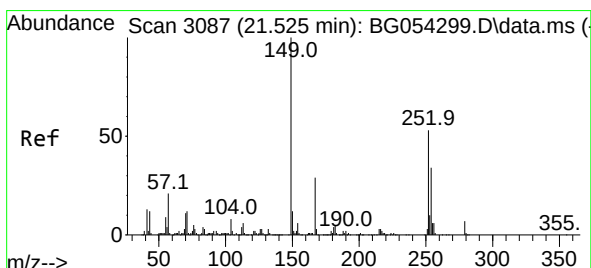
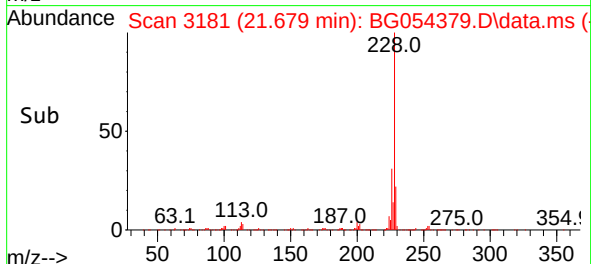
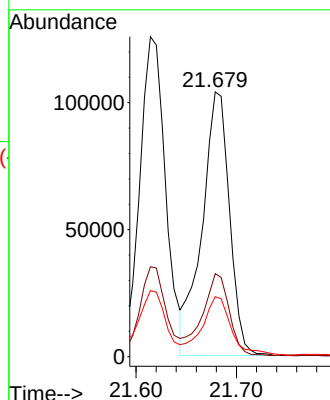
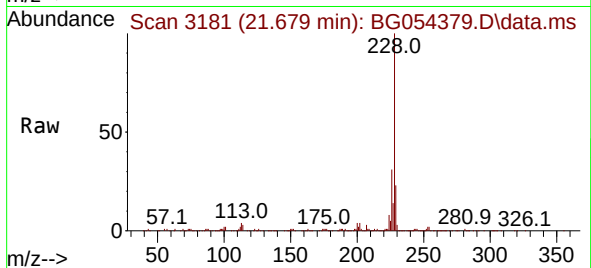
Tgt Ion:	228	Resp:	198150
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.4	35.2
229	22.7	15.5	23.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/26/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.439 ng

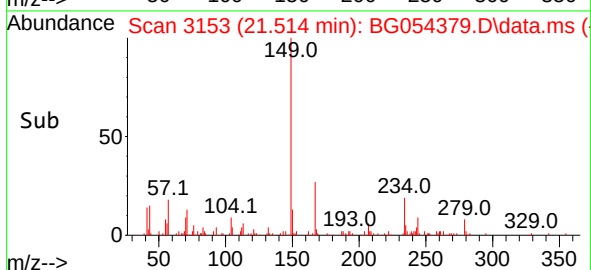
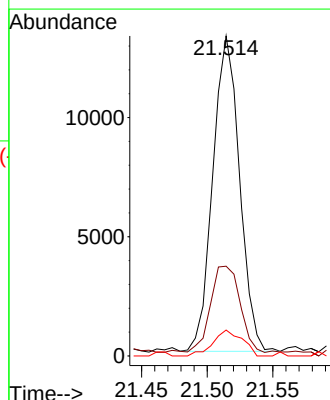
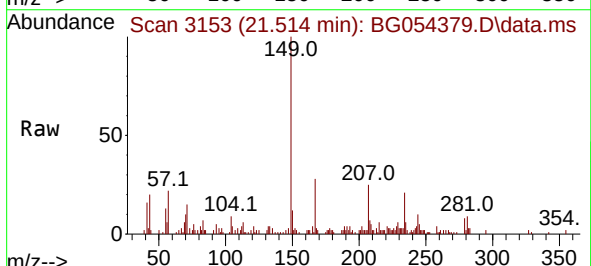
RT: 21.514 min Scan# 3153

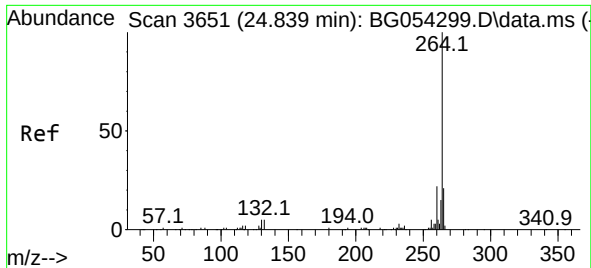
Delta R.T. -0.011 min

Lab File: BG054379.D

Acq: 25 Jul 2022 14:27

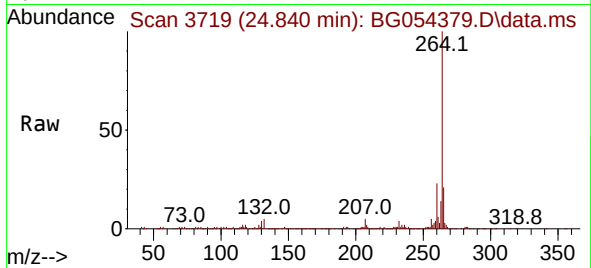
Tgt Ion:	149	Resp:	18728
Ion Ratio	Lower	Upper	
149	100		
167	28.0	20.2	30.4
279	8.1	3.6	5.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.840 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27

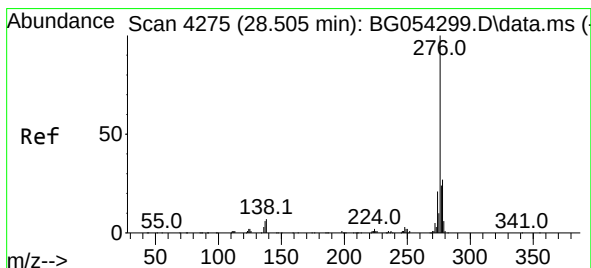
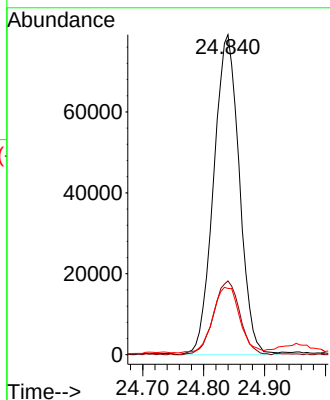
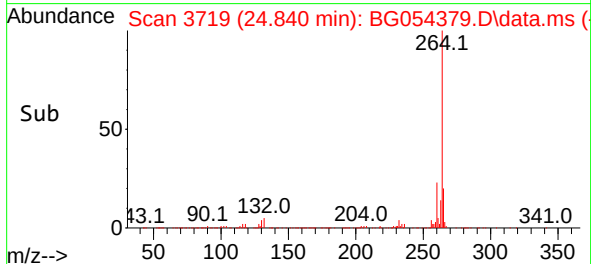
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(0-5)DL



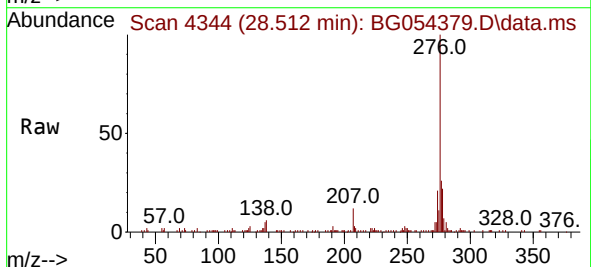
Tgt Ion:264 Resp: 23102
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 20.7 17.4 26.2

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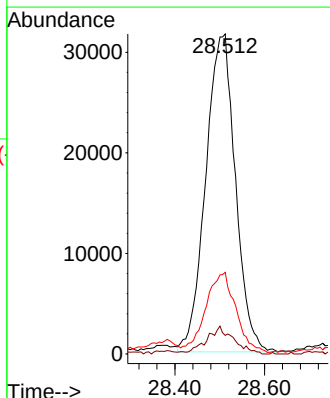
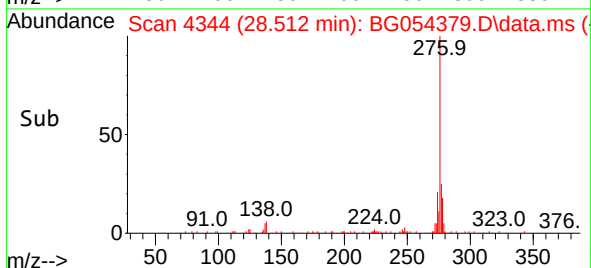
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

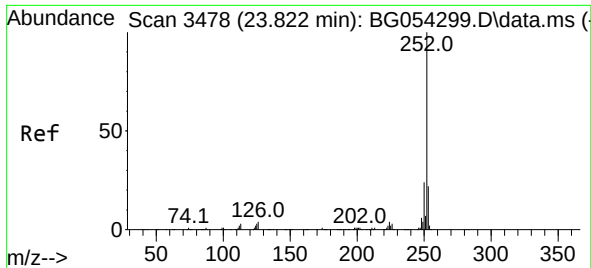


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.279 ng m
 RT: 28.512 min Scan# 4344
 Delta R.T. 0.007 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27



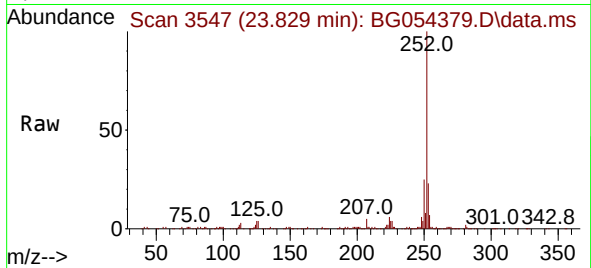
Tgt Ion:276 Resp: 145509
 Ion Ratio Lower Upper
 276 100
 138 0.3 5.0 7.4#
 277 1.6 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 20.681 ng
RT: 23.829 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

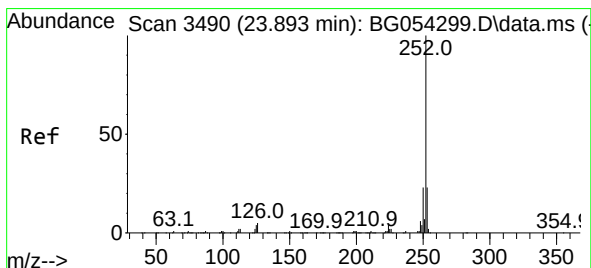
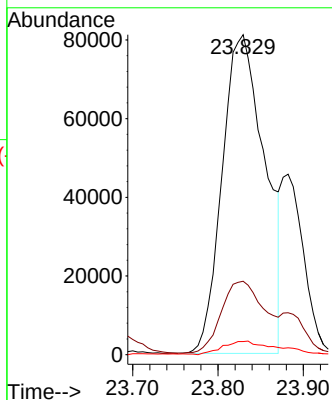
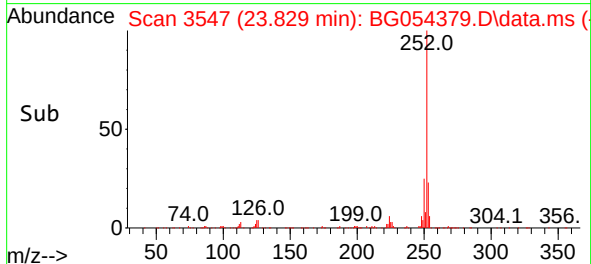
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL



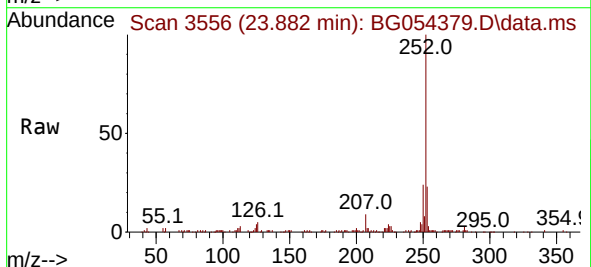
Tgt Ion:252 Resp: 28254
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 4.1 4.6 6.8

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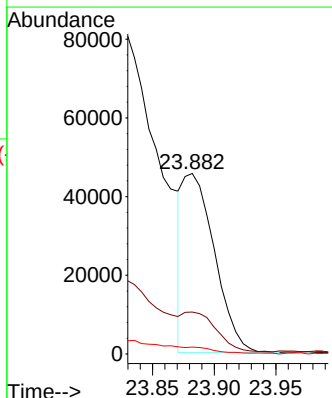
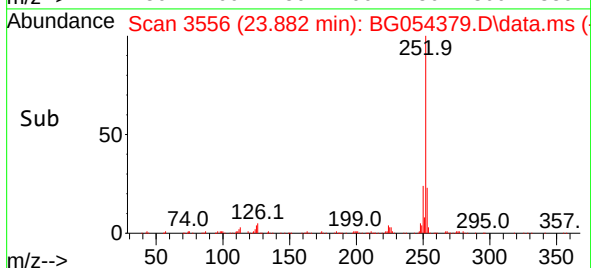
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

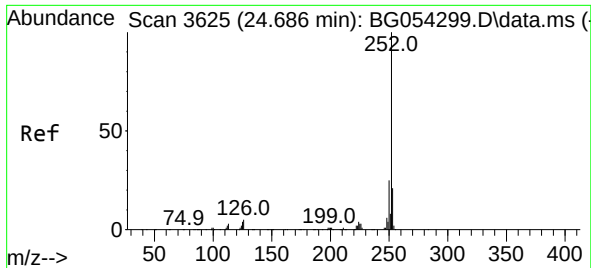


#89
Benzo(k)fluoranthene
Concen: 5.977 ng m
RT: 23.882 min Scan# 3556
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27



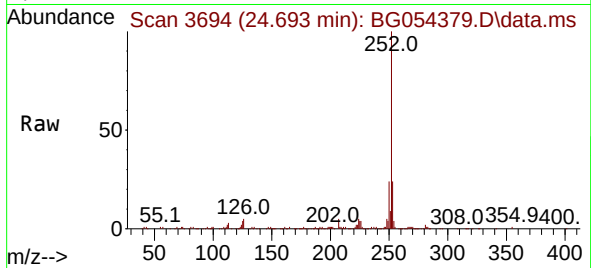
Tgt Ion:252 Resp: 81270
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 3.8 4.8 7.2





#90
Benzo(a)pyrene
Concen: 17.372 ng m
RT: 24.693 min Scan# 30
Delta R.T. 0.007 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

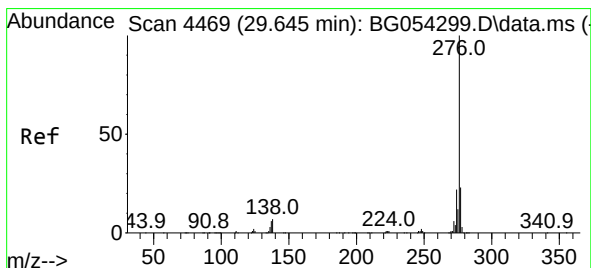
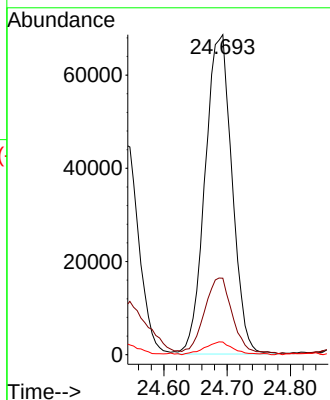
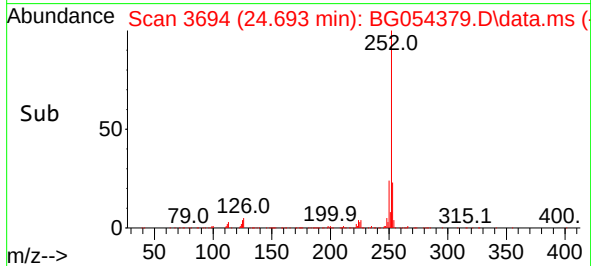
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL



Tgt Ion:252 Resp: 20269
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 4.0 4.3 6.5

Manual Integrations
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Supervised By :Jagrut Upadhyay 07/26/2022



#92
Benzo(g,h,i)perylene
Concen: 9.620 ng
RT: 29.640 min Scan# 4536
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

Tgt Ion:276 Resp: 137209
Ion Ratio Lower Upper
276 100
277 23.6 17.3 25.9
138 6.9 9.6 14.4#

