

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011723\
 Data File : BG056318.D
 Acq On : 17 Jan 2023 18:06
 Operator : CG/JU
 Sample : 01157-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-4-011323

Quant Time: Jan 18 02:41:05 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 12 03:38:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/18/2023
 Supervised By : Jagrut Upadhyay 01/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.313	152	55841	20.000	ng	0.00
21) Naphthalene-d8	11.145	136	203569	20.000	ng	# 0.00
39) Acenaphthene-d10	14.929	164	144427	20.000	ng	0.00
64) Phenanthrene-d10	17.661	188	320462	20.000	ng	0.00
76) Chrysene-d12	21.962	240	308327	20.000	ng	0.00
86) Perylene-d12	25.411	264	318115	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.834	112	345653	110.521	ng	0.00
7) Phenol-d6	7.456	99	479338	99.801	ng	0.00
23) Nitrobenzene-d5	9.489	82	263463	66.201	ng	0.00
42) 2,4,6-Tribromophenol	16.404	330	165378	90.413	ng	0.00
45) 2-Fluorobiphenyl	13.554	172	695844	66.531	ng	0.00
79) Terphenyl-d14	20.252	244	986443	57.302	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	17.708	178	224601	13.524	ng	98
72) Anthracene	17.796	178	46320	2.704	ng	100
75) Fluoranthene	19.700	202	435055	20.083	ng	98
78) Pyrene	20.070	202	500119	23.013	ng	100
81) Benzo(a)anthracene	21.945	228	280536	12.954	ng	100
83) Chrysene	22.009	228	266335m	13.129	ng	
84) Bis(2-ethylhexyl)phtha...	21.804	149	41881	4.663	ng	99
87) Indeno(1,2,3-cd)pyrene	29.383	276	74033	3.200	ng	# 56
88) Benzo(b)fluoranthene	24.306	252	238034	11.777	ng	# 92
89) Benzo(k)fluoranthene	24.371	252	96790m	4.809	ng	
90) Benzo(a)pyrene	25.247	252	179582	9.109	ng	# 92
92) Benzo(g,h,i)perylene	30.617	276	67109	3.568	ng	# 90

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

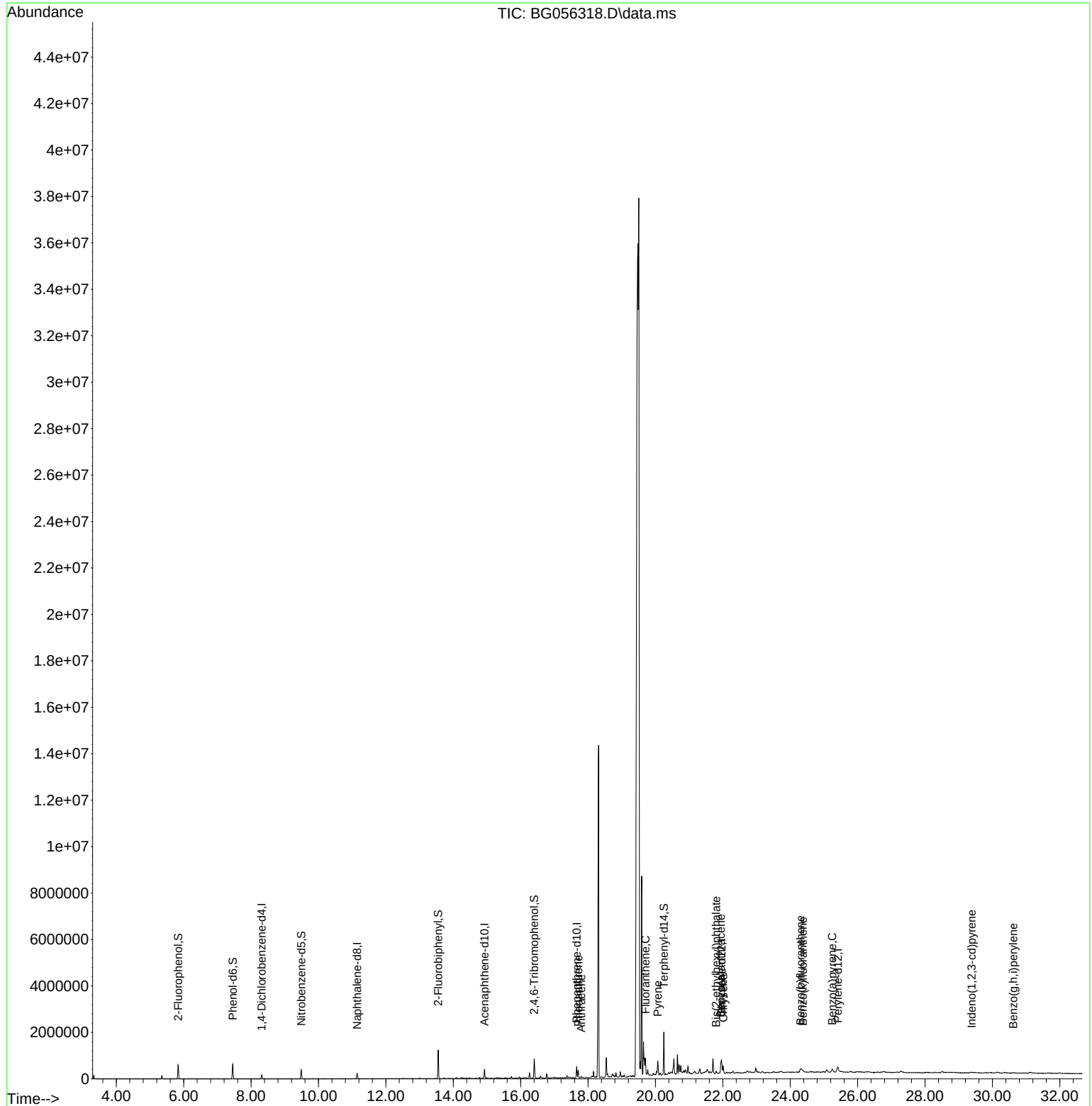
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Data File : BG056318.D
Acq On : 17 Jan 2023 18:06
Operator : CG/JU
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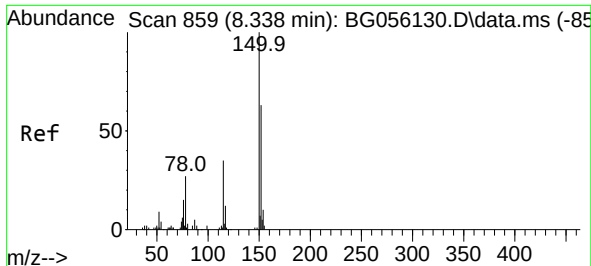
Instrument :
BNA_G
ClientSampleId :
TR-4-011323

Quant Time: Jan 18 02:41:05 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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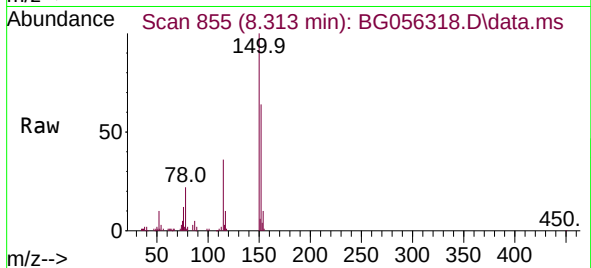
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.313 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

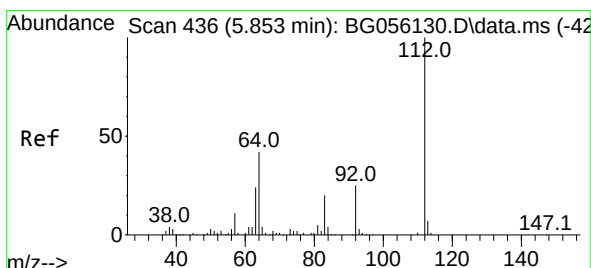
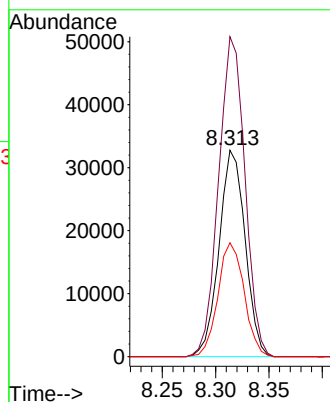
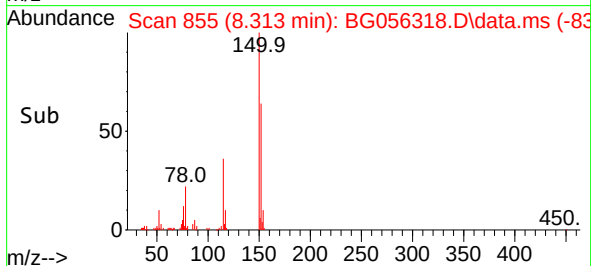
Instrument :
BNA_G
ClientSampleId :
TR-4-011323



Tgt Ion:152 Resp: 5584
Ion Ratio Lower Upper
152 100
150 155.2 127.9 191.9
115 55.2 44.2 66.2

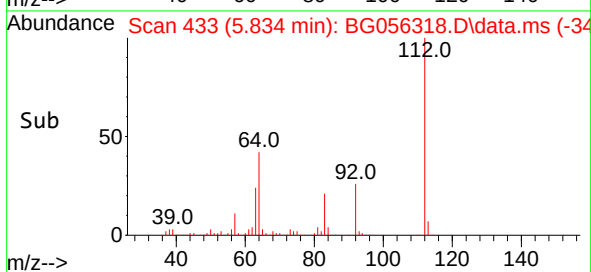
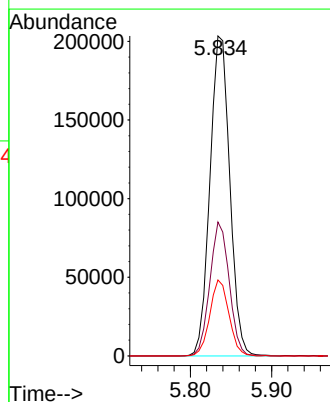
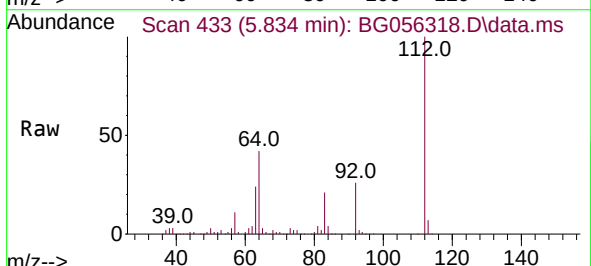
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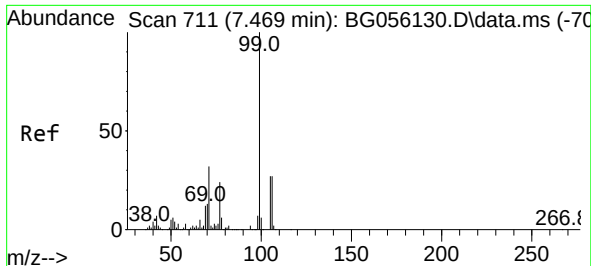
Reviewed By :Christian Giraldo 01/18/2023
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#5
2-Fluorophenol
Concen: 110.521 ng
RT: 5.834 min Scan# 433
Delta R.T. 0.008 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

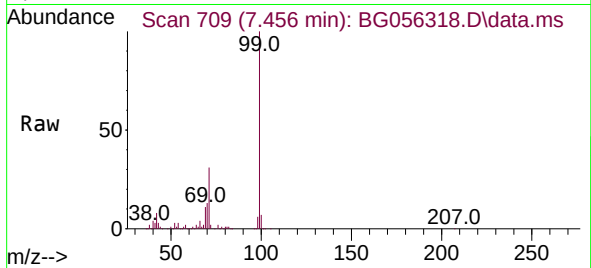
Tgt Ion:112 Resp: 345653
Ion Ratio Lower Upper
112 100
64 41.8 33.3 49.9
63 23.7 19.0 28.4





#7
Phenol-d6
Concen: 99.801 ng
RT: 7.456 min Scan# 70
Delta R.T. 0.008 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

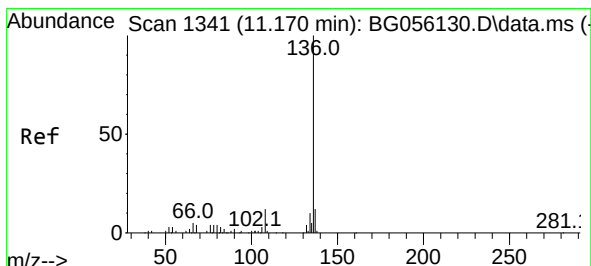
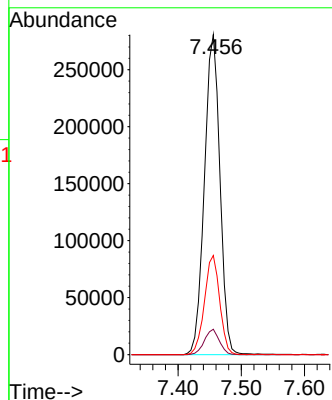
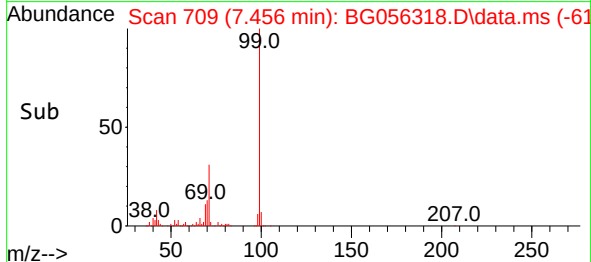
Instrument :
BNA_G
ClientSampleId :
TR-4-011323



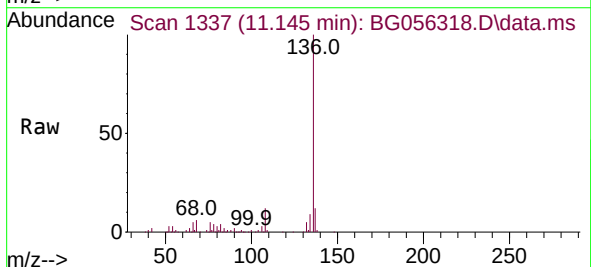
Tgt Ion: 99 Resp: 479338
Ion Ratio Lower Upper
99 100
42 7.9 5.9 8.9
71 31.0 25.4 38.2

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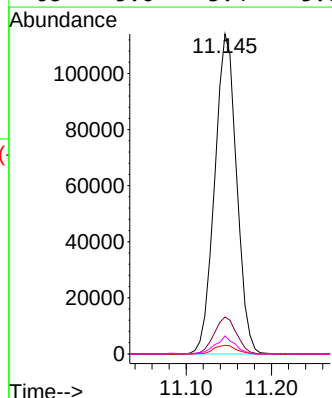
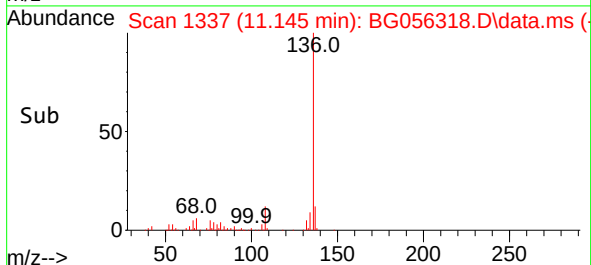
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Supervised By :Jagrut Upadhyay 01/18/2023

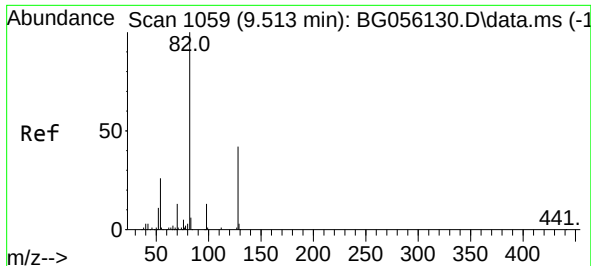


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.145 min Scan# 1337
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06



Tgt Ion:136 Resp: 203569
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.7 2.2 3.2
68 5.6 3.4 5.0#





#23
Nitrobenzene-d5
Concen: 66.201 ng
RT: 9.489 min Scan# 1055
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

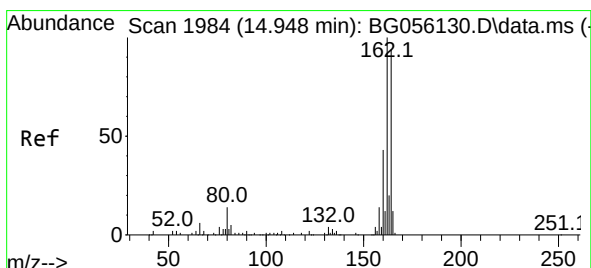
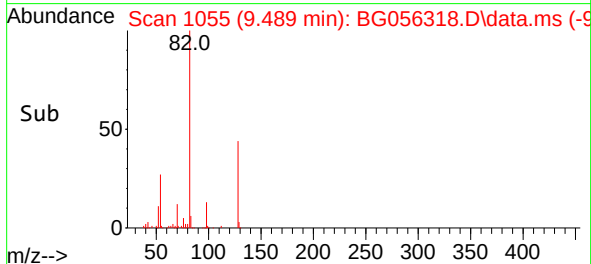
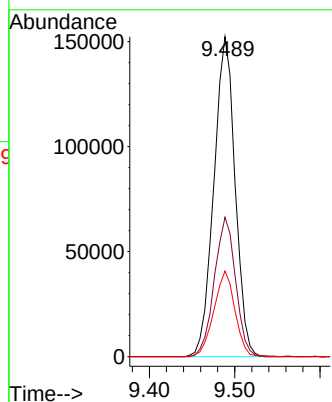
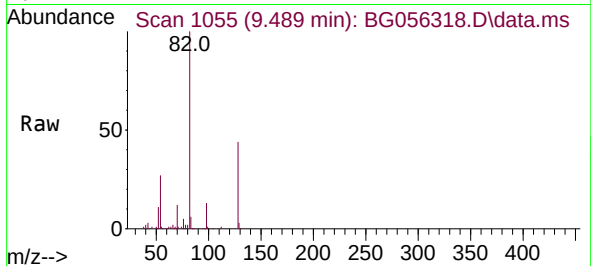
ClientSampleId :

TR-4-011323

Tgt Ion: 82 Resp: 263463
Ion Ratio Lower Upper
82 100
128 43.5 33.4 50.2
54 26.7 20.3 30.5

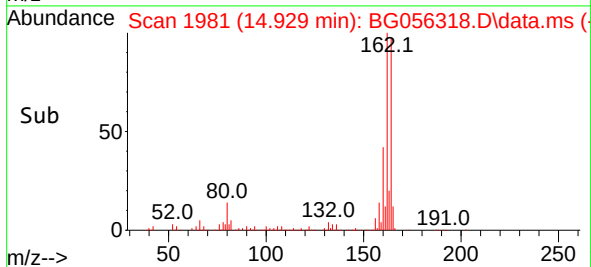
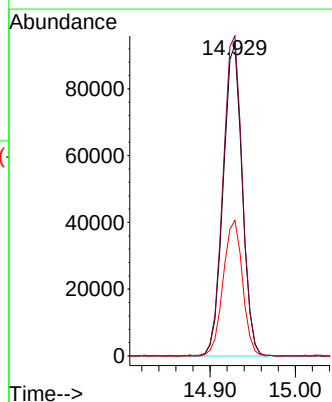
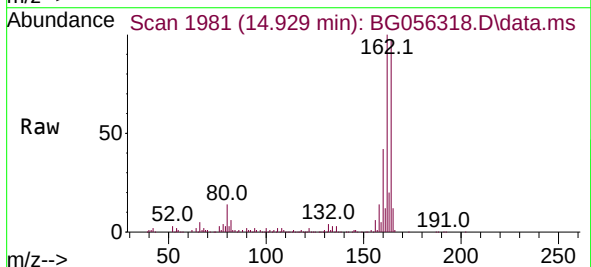
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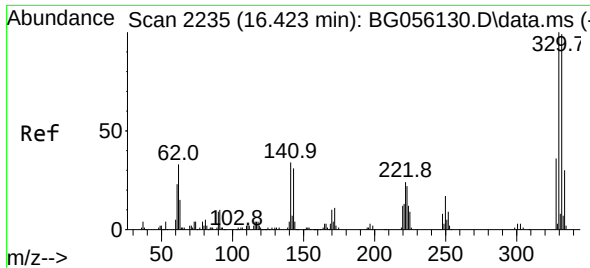
Reviewed By :Christian Giraldo 01/18/2023
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.929 min Scan# 1981
Delta R.T. 0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion:164 Resp: 144427
Ion Ratio Lower Upper
164 100
162 102.9 84.7 127.1
160 43.6 36.3 54.5





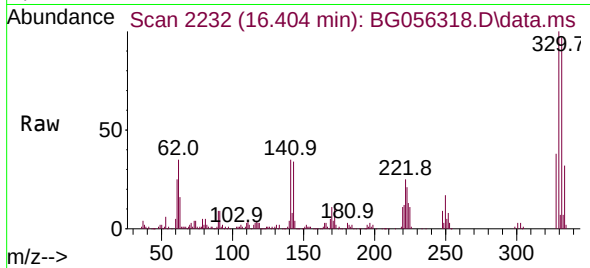
#42
2,4,6-Tribromophenol
Concen: 90.413 ng
RT: 16.404 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

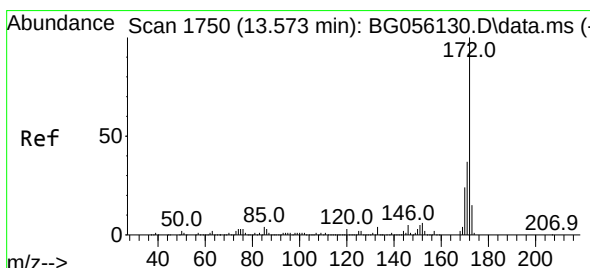
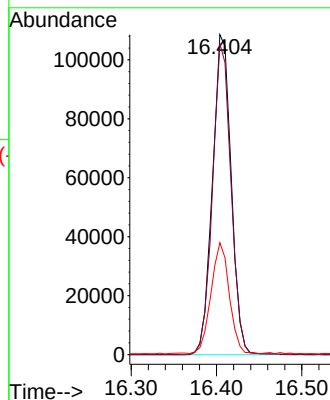
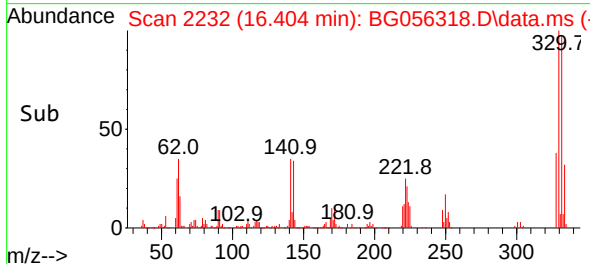


Tgt Ion:330 Resp: 165378
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 34.1 27.9 41.9

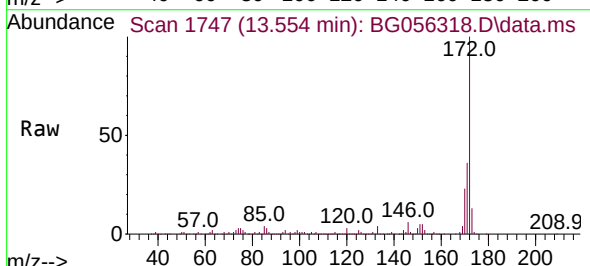
Manual Integrations

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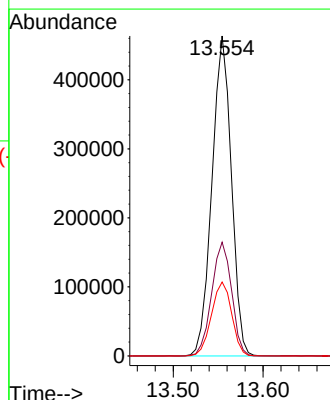
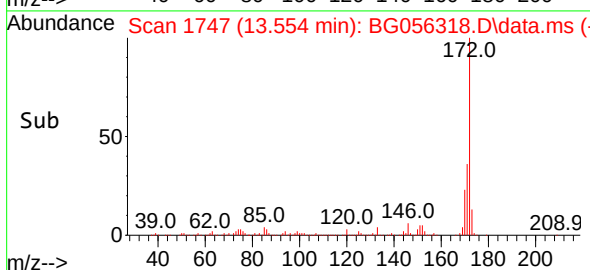
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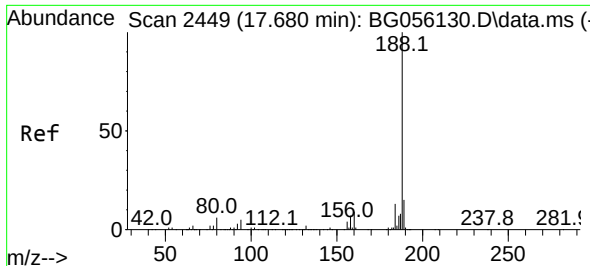


#45
2-Fluorobiphenyl
Concen: 66.531 ng
RT: 13.554 min Scan# 1747
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06



Tgt Ion:172 Resp: 695844
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.1 19.4 29.2





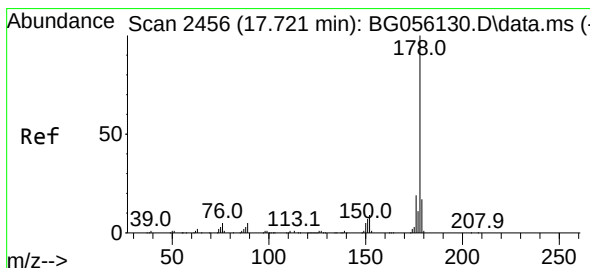
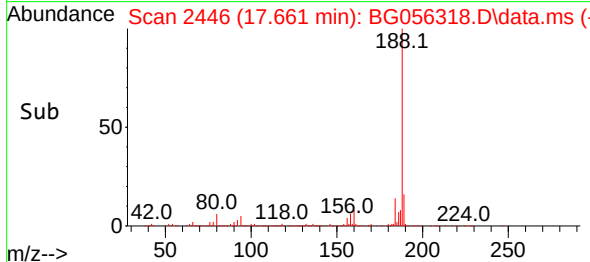
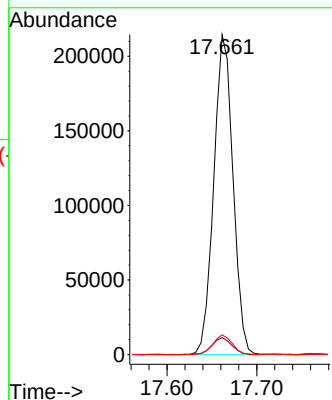
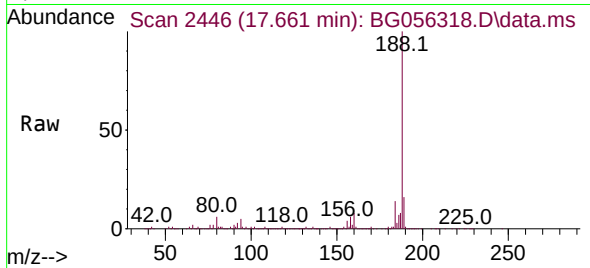
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.661 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Instrument :
BNA_G
ClientSampleId :
TR-4-011323

Tgt Ion:188 Resp: 320462
Ion Ratio Lower Upper
188 100
94 5.3 4.2 6.2
80 6.2 5.0 7.4

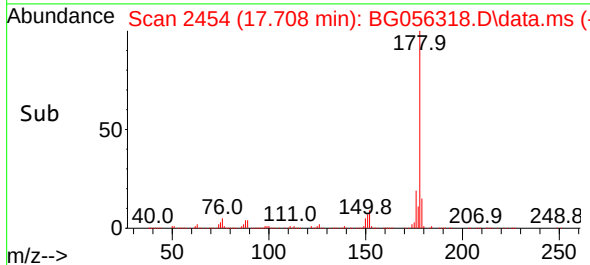
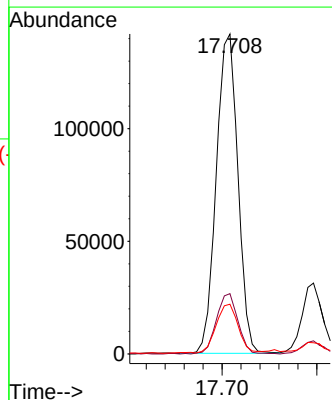
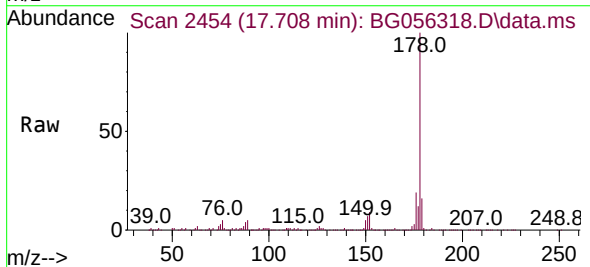
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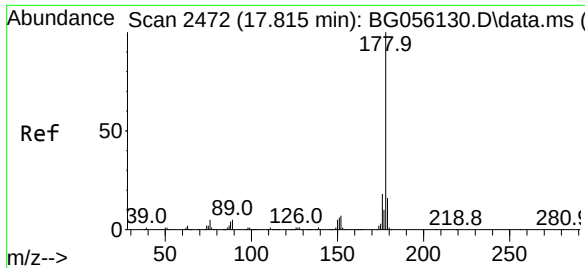
Reviewed By :Christian Giraldo 01/18/2023
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#71
Phenanthrene
Concen: 13.524 ng
RT: 17.708 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

Tgt Ion:178 Resp: 224601
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.5 13.6 20.4





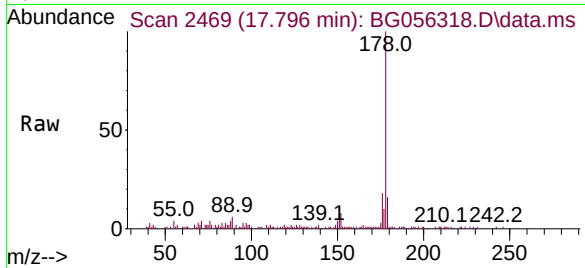
#72
 Anthracene
 Concen: 2.704 ng
 RT: 17.796 min Scan# 2472
 Delta R.T. -0.003 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

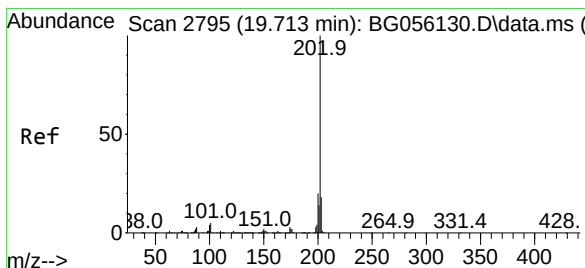
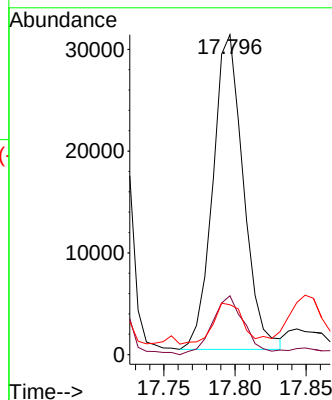
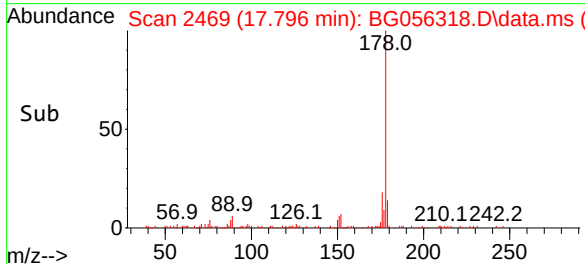


Tgt Ion:178 Resp: 46320
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 15.6 12.7 19.1

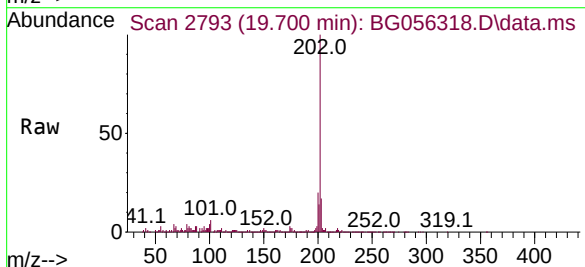
Manual Integrations

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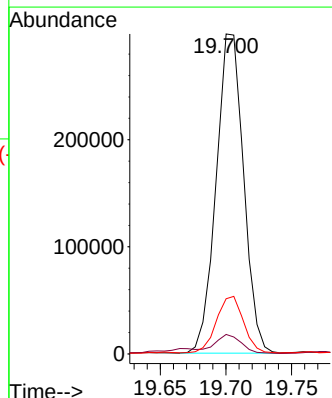
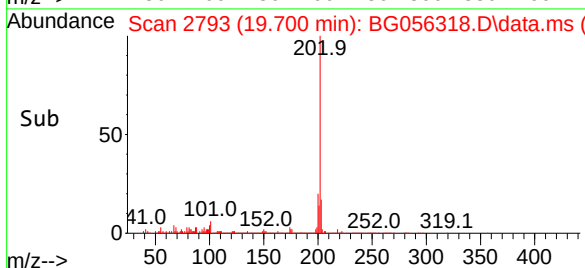
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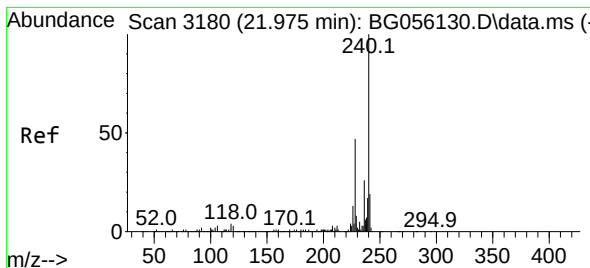


#75
 Fluoranthene
 Concen: 20.083 ng
 RT: 19.700 min Scan# 2793
 Delta R.T. 0.003 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06



Tgt Ion:202 Resp: 435055
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 25.0
 203 17.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.962 min Scan# 3180

Delta R.T. 0.003 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

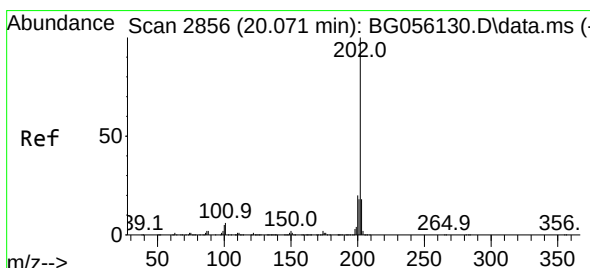
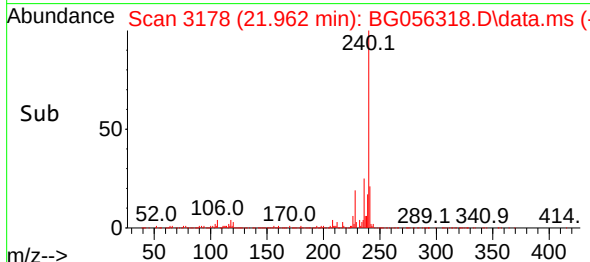
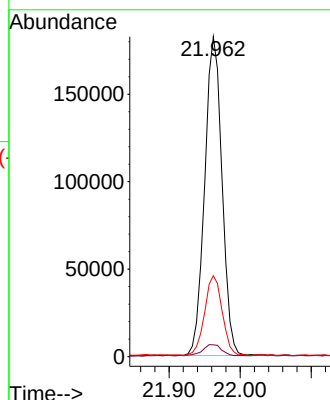
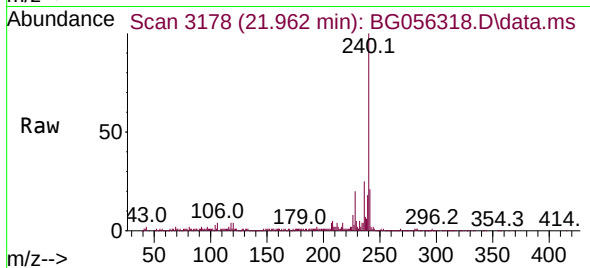
Tgt Ion:240 Resp: 30832

Ion	Ratio	Lower	Upper
240	100		
120	3.7	2.6	4.0
236	25.3	20.8	31.2

Manual Integrations

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#78

Pyrene

Concen: 23.013 ng

RT: 20.070 min Scan# 2856

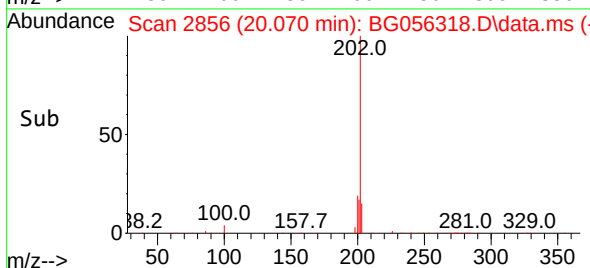
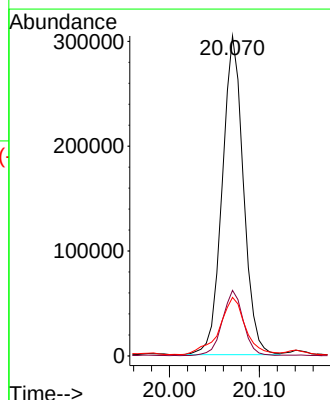
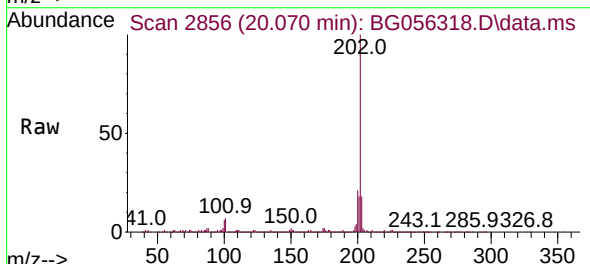
Delta R.T. 0.014 min

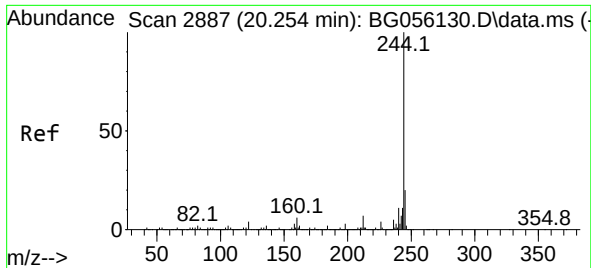
Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

Tgt Ion:202 Resp: 500119

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	18.3	14.3	21.5





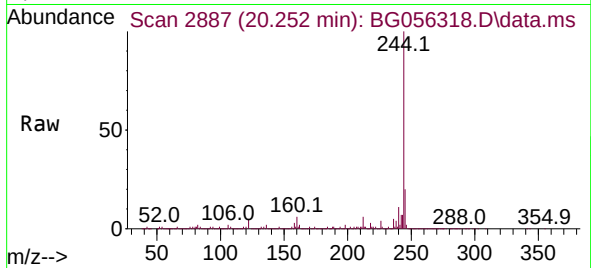
#79
 Terphenyl-d14
 Concen: 57.302 ng
 RT: 20.252 min Scan# 2887
 Delta R.T. 0.014 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

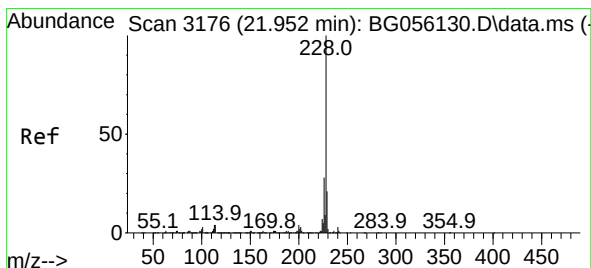
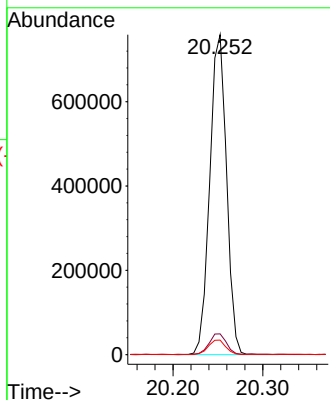
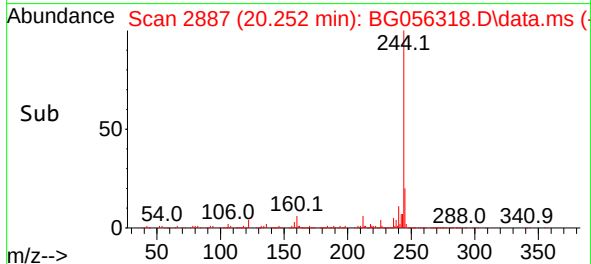


Tgt Ion:244 Resp: 986443
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 4.6 3.5 5.3

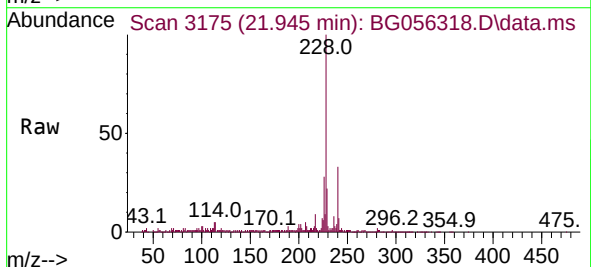
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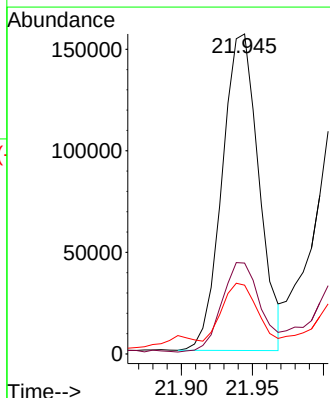
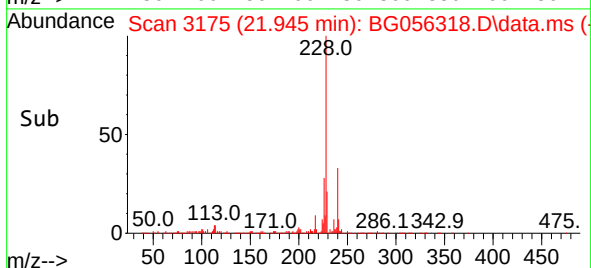
Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023

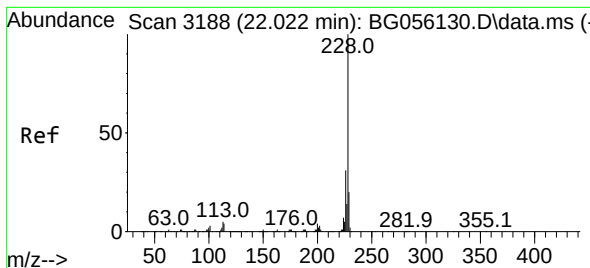


#81
 Benzo(a)anthracene
 Concen: 12.954 ng
 RT: 21.945 min Scan# 3175
 Delta R.T. 0.003 min
 Lab File: BG056318.D
 Acq: 17 Jan 2023 18:06



Tgt Ion:228 Resp: 280536
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 34.0
 229 21.5 16.9 25.3





#83

Chrysene

Concen: 13.129 ng m

RT: 22.009 min Scan# 3186

Delta R.T. -0.003 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

Tgt Ion:228 Resp: 266335

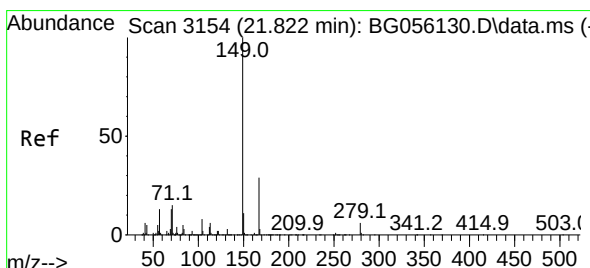
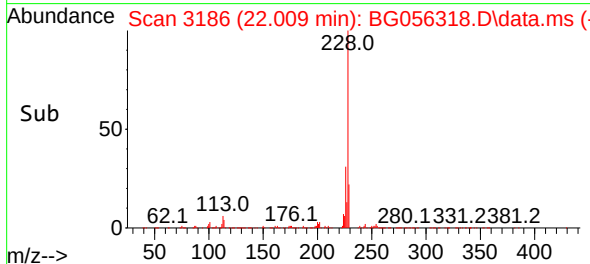
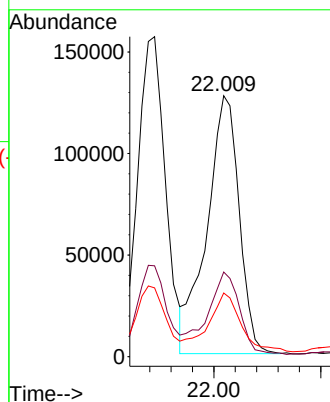
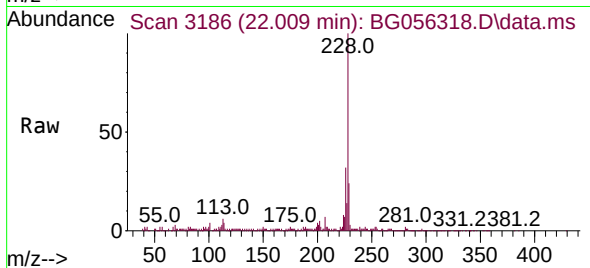
Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.6	36.8
229	24.4	15.8	23.6

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Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.663 ng

RT: 21.804 min Scan# 3151

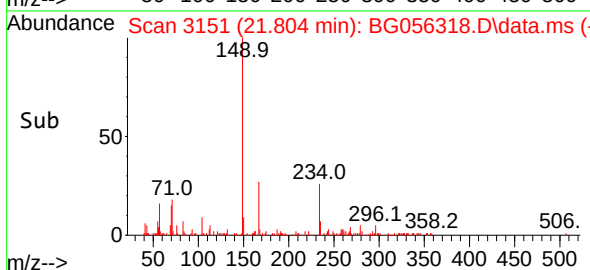
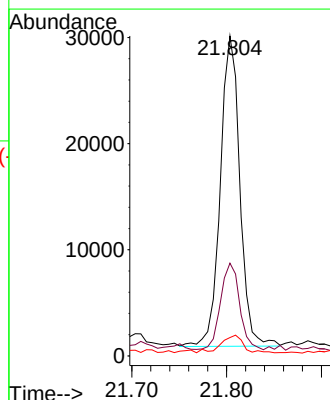
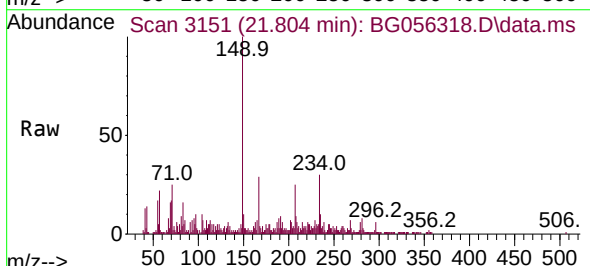
Delta R.T. -0.003 min

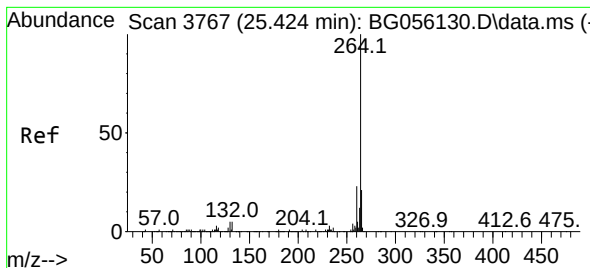
Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

Tgt Ion:149 Resp: 41881

Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.4	35.2
279	5.7	4.7	7.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.411 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

Instrument :

BNA_G

ClientSampleId :

TR-4-011323

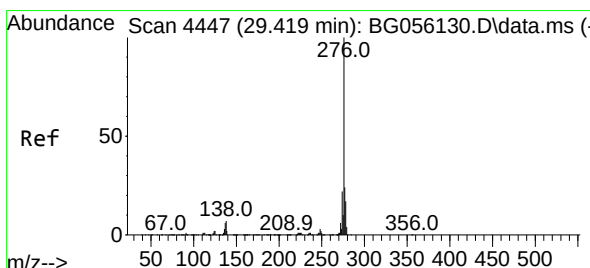
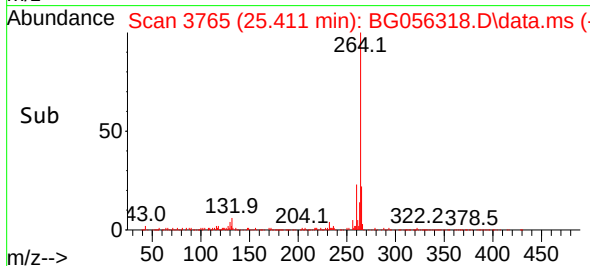
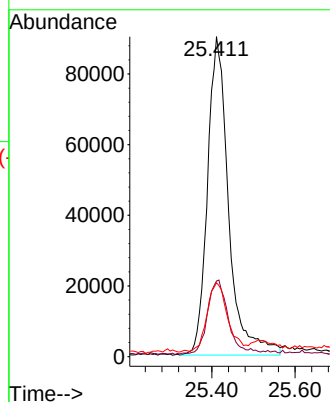
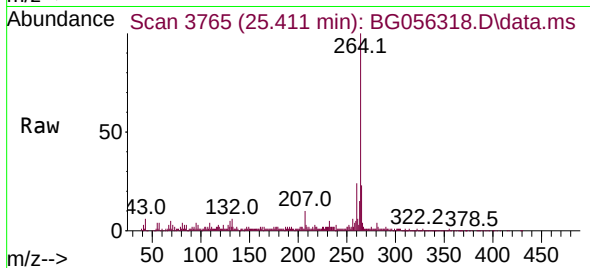
Tgt Ion:	264	Resp:	31811
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	23.1	16.7	25.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.200 ng

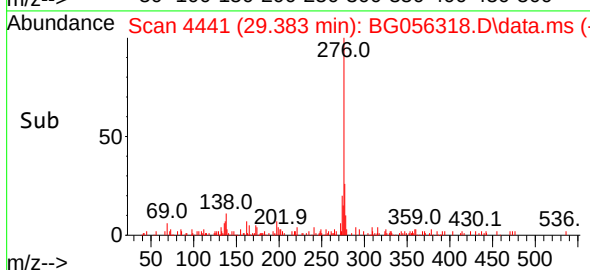
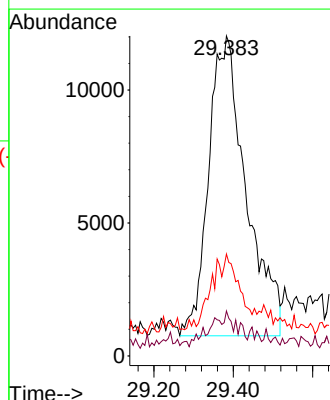
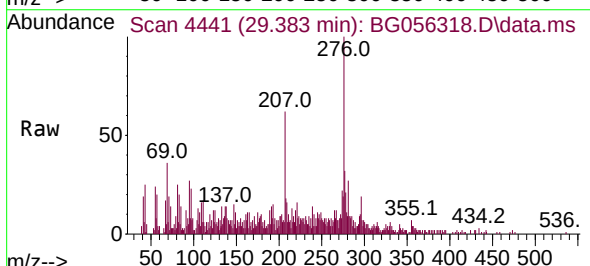
RT: 29.383 min Scan# 4441

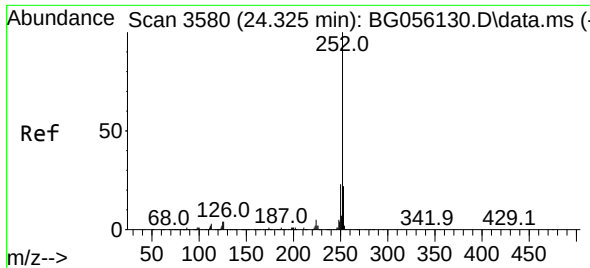
Delta R.T. 0.020 min

Lab File: BG056318.D

Acq: 17 Jan 2023 18:06

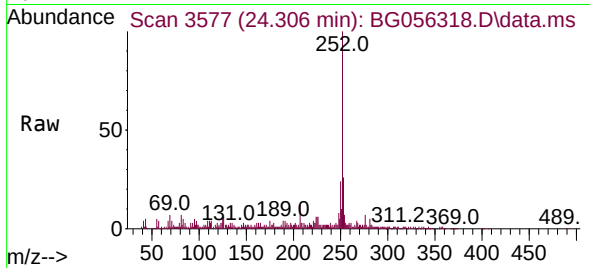
Tgt Ion:	276	Resp:	74033
Ion Ratio	Lower	Upper	
276	100		
138	1.1	5.0	7.4#
277	0.0	20.5	30.7#





#88
Benzo(b)fluoranthene
Concen: 11.777 ng
RT: 24.306 min Scan# 3577
Delta R.T. 0.008 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

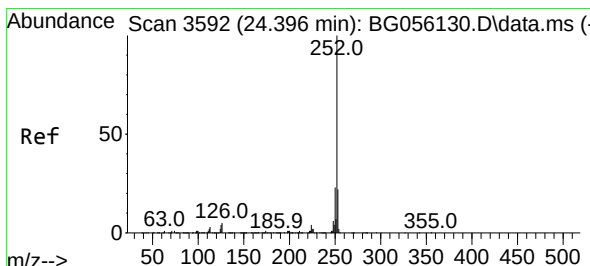
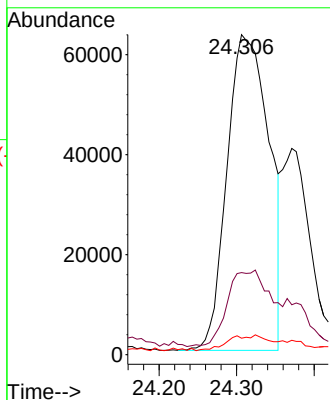
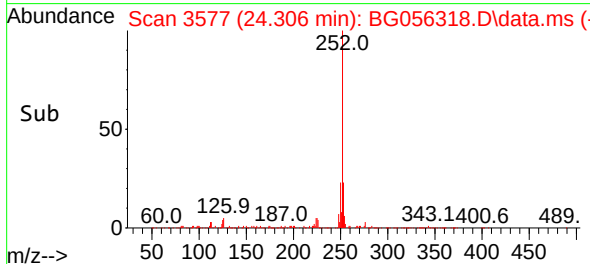
Instrument :
BNA_G
ClientSampleId :
TR-4-011323



Tgt Ion:252 Resp: 238034
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 5.1 3.0 4.4

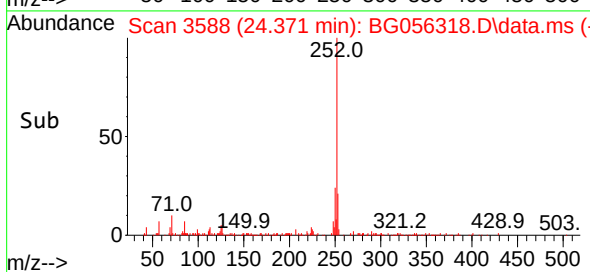
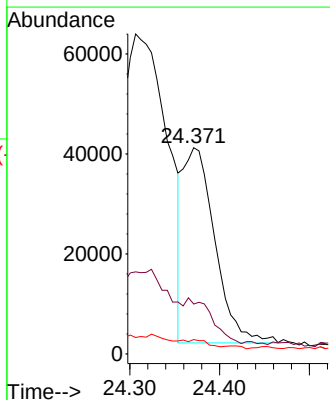
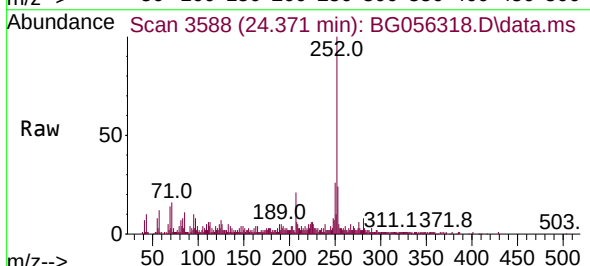
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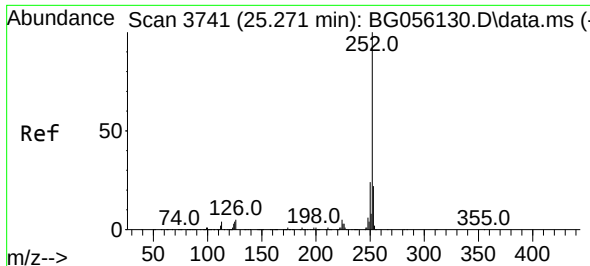
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#89
Benzo(k)fluoranthene
Concen: 4.809 ng m
RT: 24.371 min Scan# 3588
Delta R.T. -0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

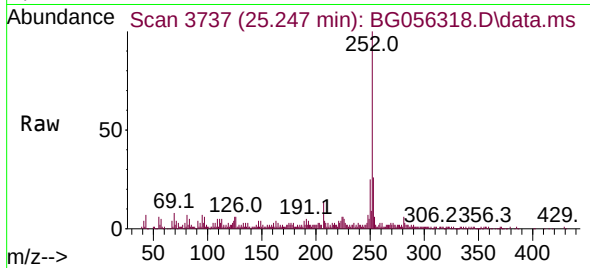
Tgt Ion:252 Resp: 96790
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 6.9 3.4 5.0





#90
Benzo(a)pyrene
Concen: 9.109 ng
RT: 25.247 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06

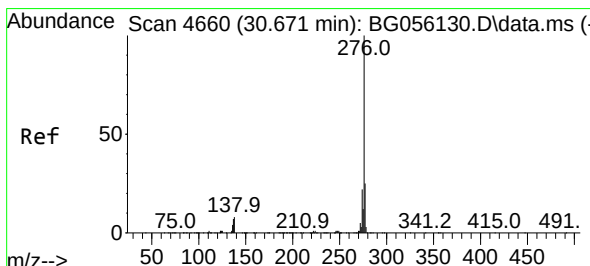
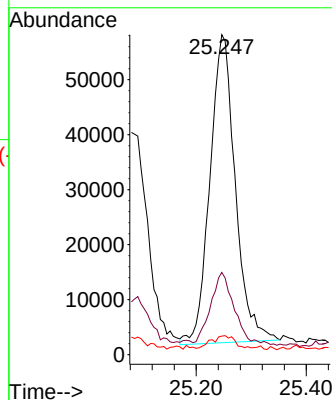
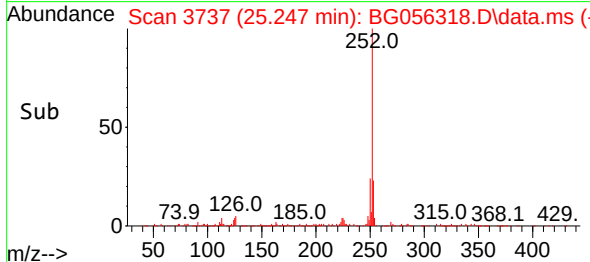
Instrument :
BNA_G
ClientSampleId :
TR-4-011323



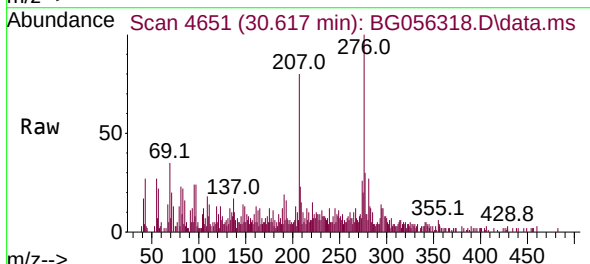
Tgt Ion:252 Resp: 179582
Ion Ratio Lower Upper
252 100
253 25.7 17.4 26.2
125 5.8 3.2 4.8

Manual Integrations
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Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#92
Benzo(g,h,i)perylene
Concen: 3.568 ng
RT: 30.617 min Scan# 4651
Delta R.T. 0.003 min
Lab File: BG056318.D
Acq: 17 Jan 2023 18:06



Tgt Ion:276 Resp: 67109
Ion Ratio Lower Upper
276 100
277 30.1 19.7 29.5#
138 10.4 6.7 10.1#

