

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056548.D
 Acq On : 3 Feb 2023 21:17
 Operator : CG/JU
 Sample : 01390-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-1

Quant Time: Feb 04 05:14:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	53761	20.000	ng	# 0.00
21) Naphthalene-d8	11.109	136	193020	20.000	ng	0.00
39) Acenaphthene-d10	14.893	164	132477	20.000	ng	0.00
64) Phenanthrene-d10	17.637	188	294220	20.000	ng	0.00
76) Chrysene-d12	21.926	240	280121	20.000	ng	0.00
86) Perylene-d12	25.363	264	276306	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	54626	18.692	ng	0.00
7) Phenol-d6	7.419	99	72999	16.858	ng	0.00
23) Nitrobenzene-d5	9.452	82	37884	11.145	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	26870	15.257	ng	0.00
45) 2-Fluorobiphenyl	13.518	172	108510	11.356	ng	0.00
79) Terphenyl-d14	20.210	244	160650	10.073	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.678	178	54373	3.531	ng	99
75) Fluoranthene	19.669	202	112362	5.781	ng	99
78) Pyrene	20.034	202	111335	5.588	ng	97
81) Benzo(a)anthracene	21.908	228	58495	2.987	ng	# 92
83) Chrysene	21.973	228	63208m	3.435	ng	
88) Benzo(b)fluoranthene	24.264	252	73186	4.267	ng	# 74
90) Benzo(a)pyrene	25.192	252	53604	3.173	ng	# 82

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

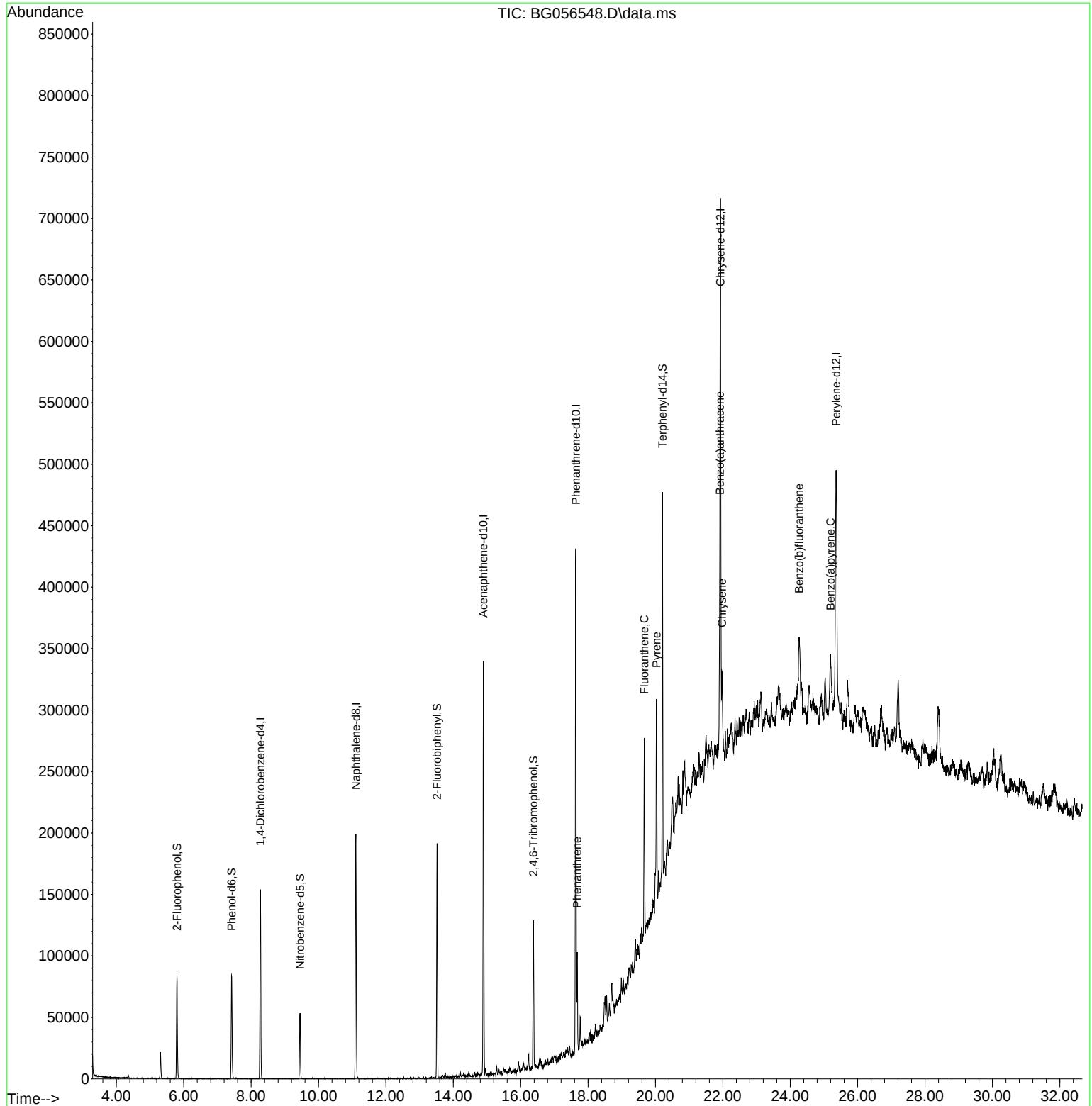
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
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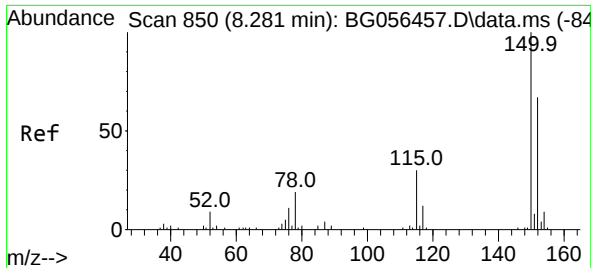
Instrument :
BNA_G
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STOCKPILE-1

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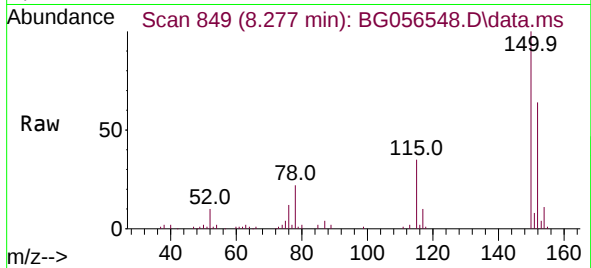
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 849
Delta R.T. 0.002 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

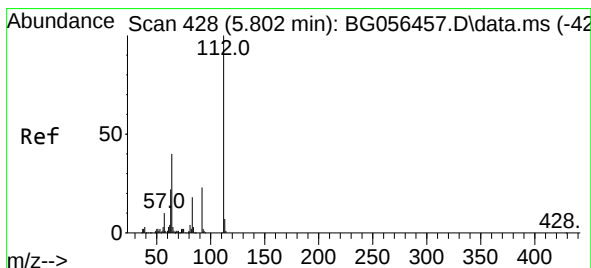
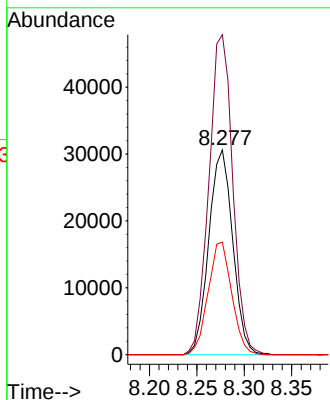
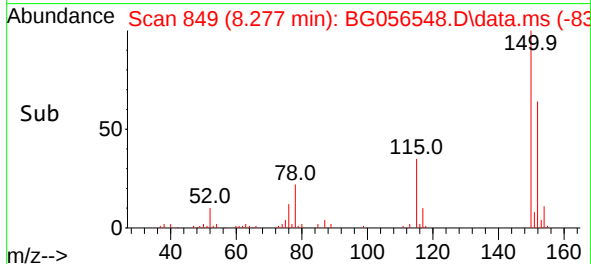


Tgt Ion:152 Resp: 5376
Ion Ratio Lower Upper
152 100
150 156.3 120.2 180.4
115 55.0 36.3 54.5

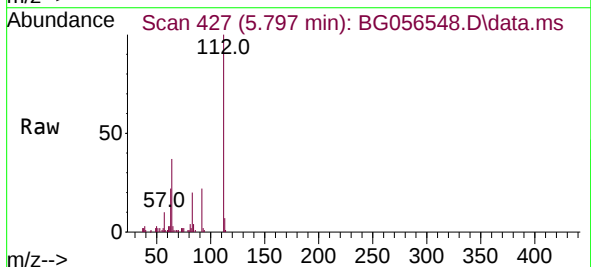
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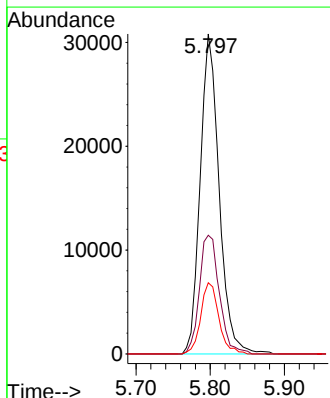
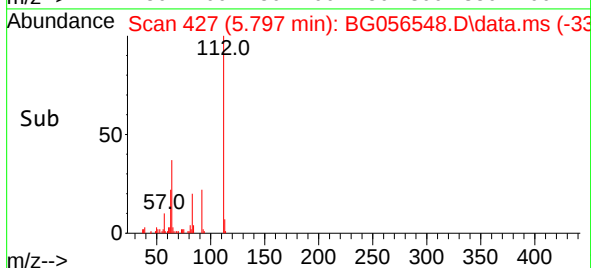
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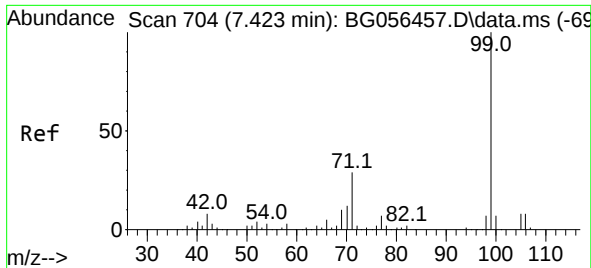


#5
2-Fluorophenol
Concen: 18.692 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17



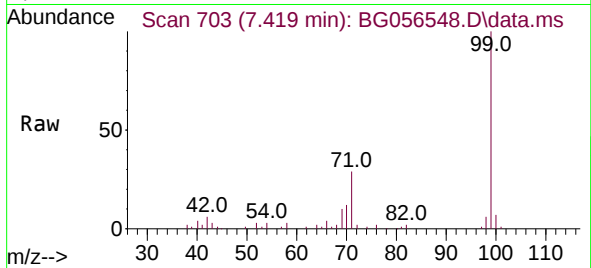
Tgt Ion:112 Resp: 54626
Ion Ratio Lower Upper
112 100
64 37.1 31.9 47.9
63 22.2 17.4 26.0





#7
Phenol-d6
Concen: 16.858 ng
RT: 7.419 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

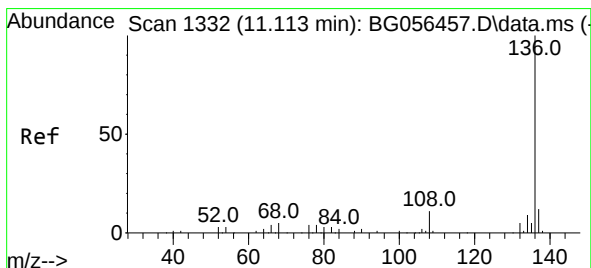
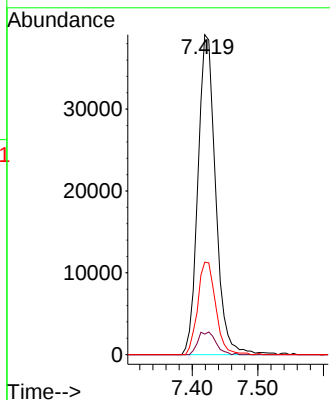
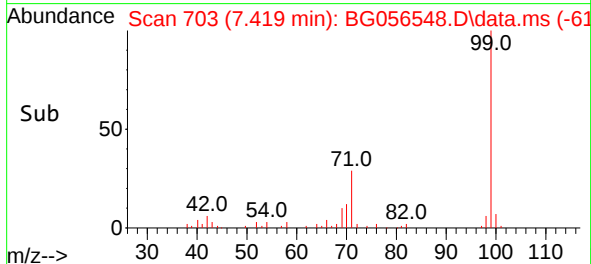
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1



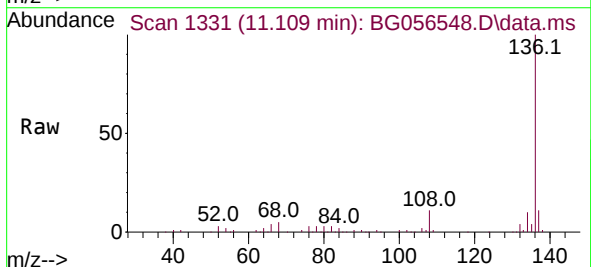
Tgt Ion: 99 Resp: 72999
Ion Ratio Lower Upper
99 100
42 6.4 6.6 10.0
71 28.9 23.4 35.0

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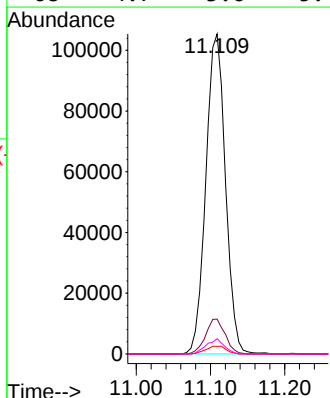
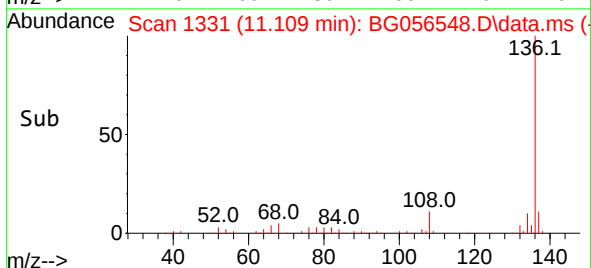
Reviewed By :Christian Giraldo 02/06/2023
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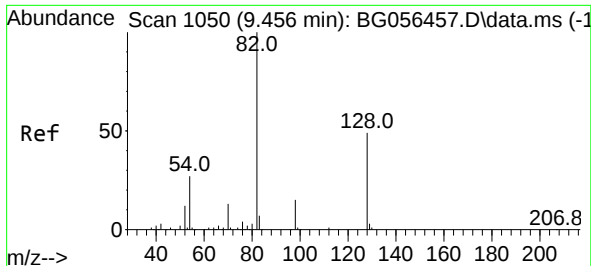


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17



Tgt Ion:136 Resp: 193020
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 2.4 2.2 3.4
68 4.7 3.6 5.4





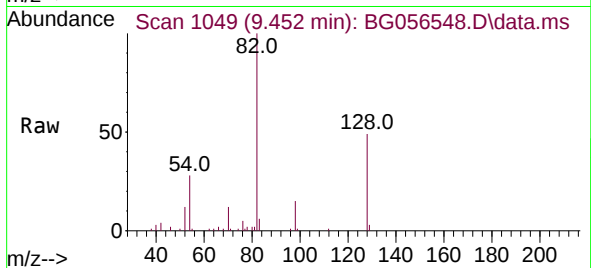
#23
Nitrobenzene-d5
Concen: 11.145 ng
RT: 9.452 min Scan# 1049
Delta R.T. -0.004 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

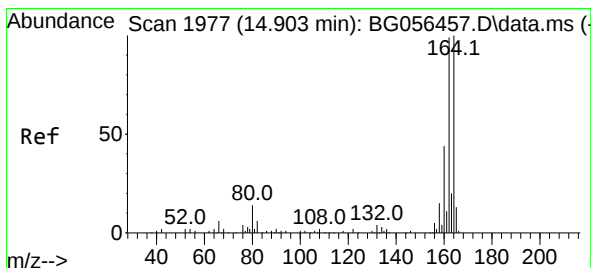
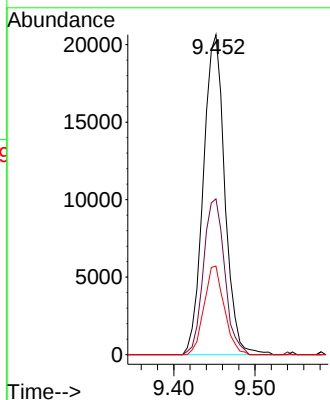
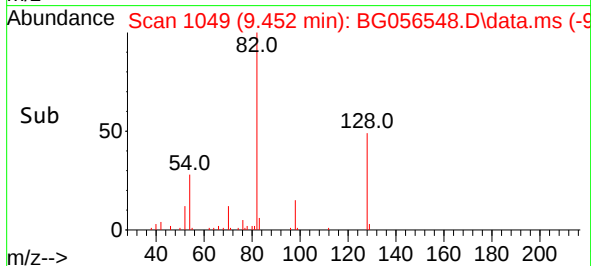
STOCKPILE-1



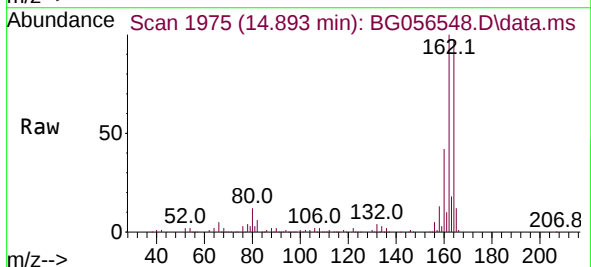
Tgt Ion: 82 Resp: 37884
Ion Ratio Lower Upper
82 100
128 48.7 39.4 59.2
54 27.7 21.4 32.2

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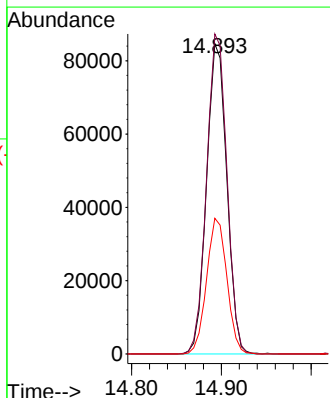
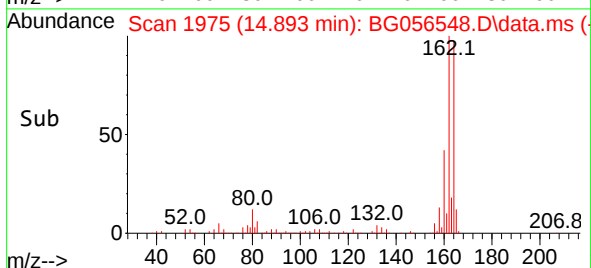
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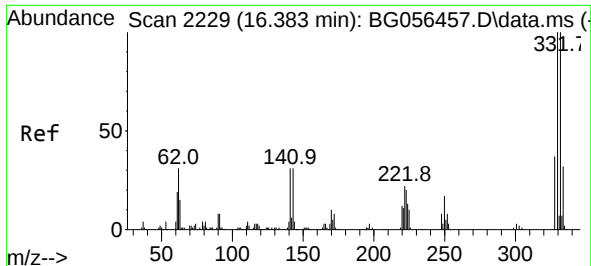


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.893 min Scan# 1975
Delta R.T. -0.004 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17



Tgt Ion:164 Resp: 132477
Ion Ratio Lower Upper
164 100
162 103.2 79.6 119.4
160 43.7 34.9 52.3





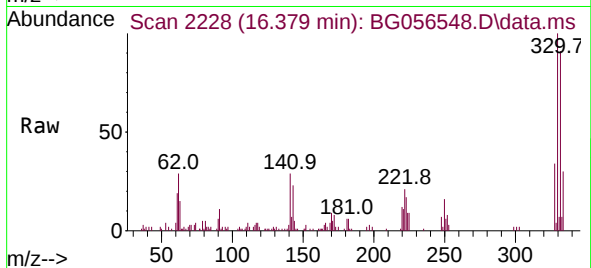
#42
2,4,6-Tribromophenol
Concen: 15.257 ng
RT: 16.379 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

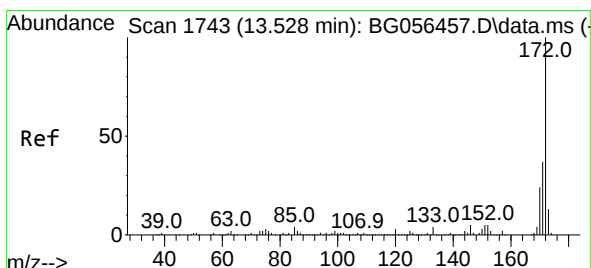
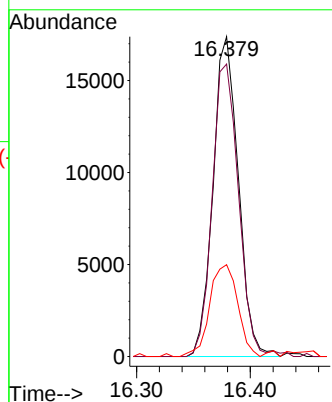
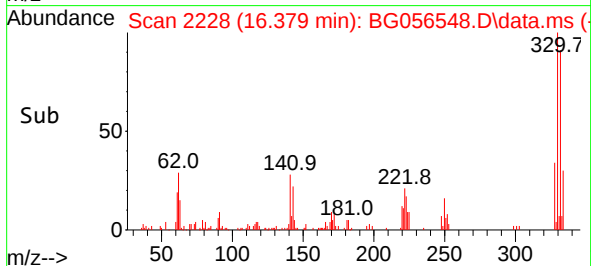


Tgt Ion:330 Resp: 26870
Ion Ratio Lower Upper
330 100
332 95.3 79.0 118.6
141 31.8 24.2 36.4

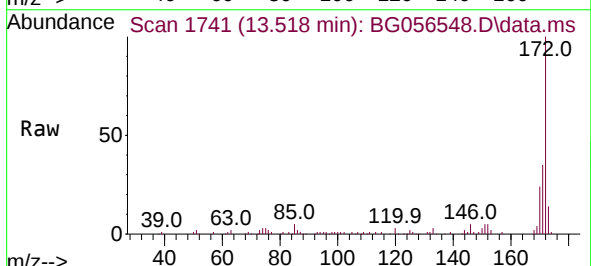
Manual Integrations

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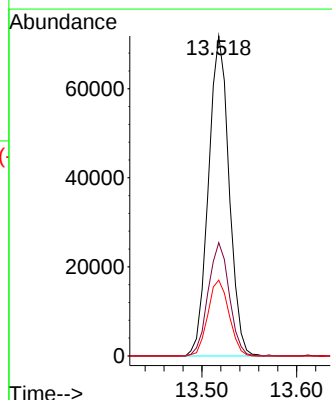
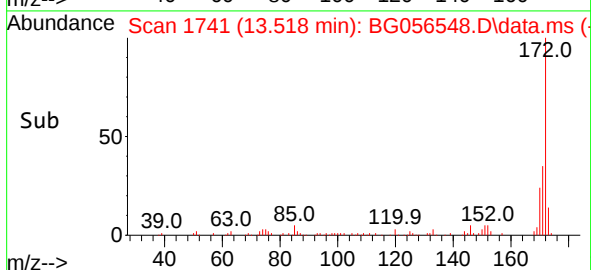
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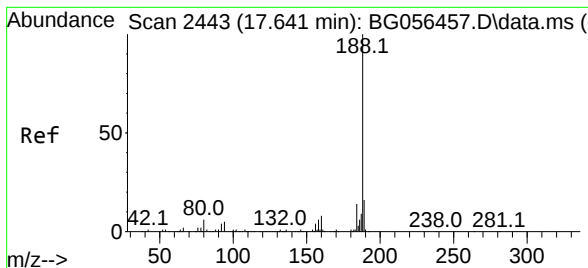


#45
2-Fluorobiphenyl
Concen: 11.356 ng
RT: 13.518 min Scan# 1741
Delta R.T. -0.004 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17



Tgt Ion:172 Resp: 108510
Ion Ratio Lower Upper
172 100
171 35.4 29.5 44.3
170 23.7 19.2 28.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.637 min Scan# 2443

Delta R.T. 0.001 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

Tgt Ion:188 Resp: 294220

Ion Ratio Lower Upper

188 100

94 5.4 4.1 6.1

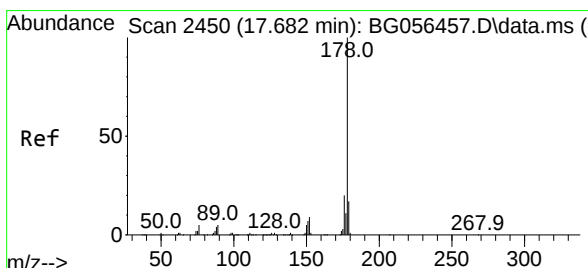
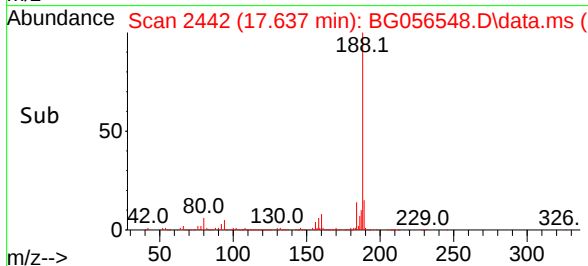
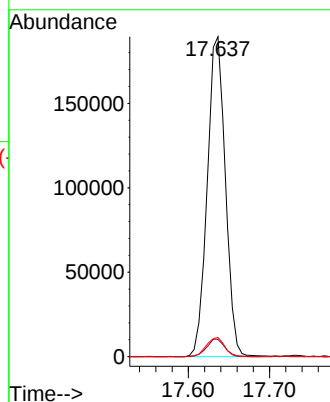
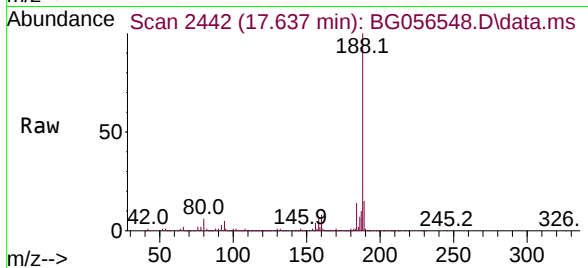
80 6.0 5.0 7.4

Manual Integrations

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#71

Phenanthrene

Concen: 3.531 ng

RT: 17.678 min Scan# 2449

Delta R.T. 0.001 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

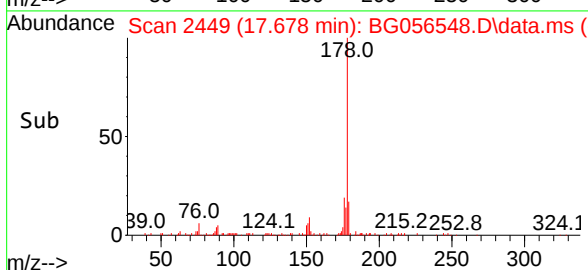
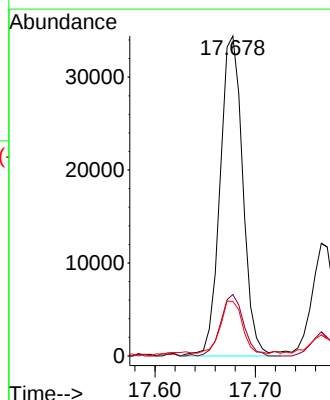
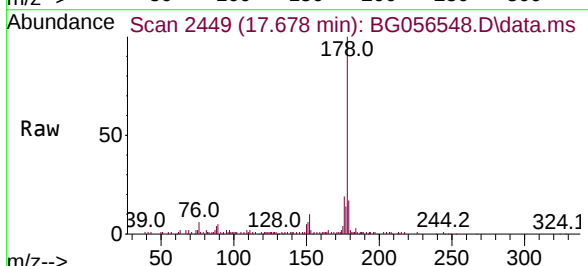
Tgt Ion:178 Resp: 54373

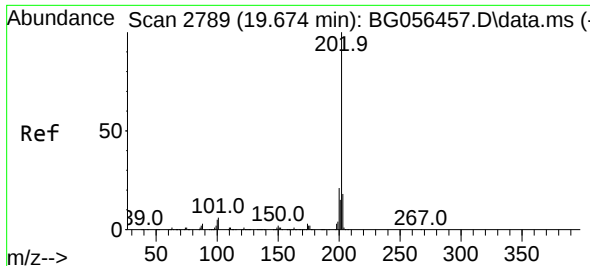
Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 17.0 13.3 19.9





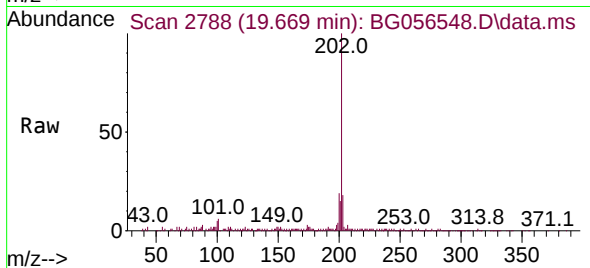
#75
Fluoranthene
Concen: 5.781 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

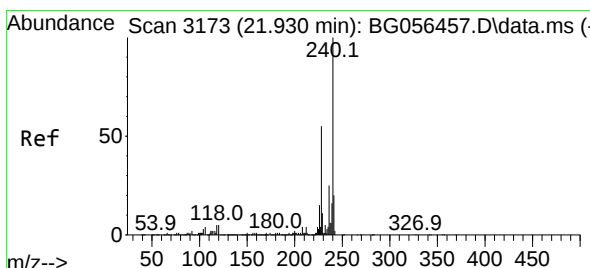
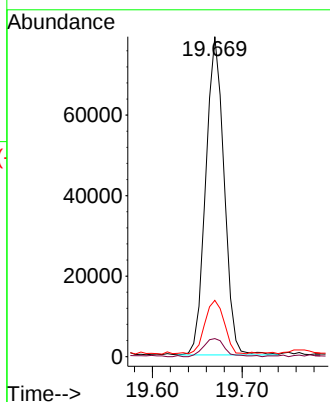
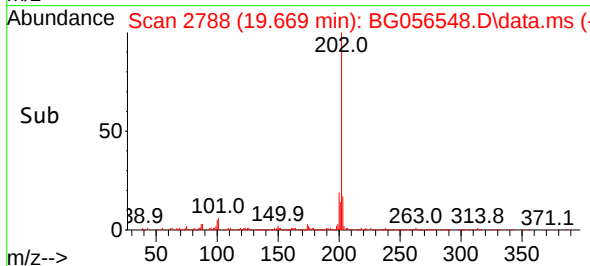


Tgt Ion:202 Resp: 112362
Ion Ratio Lower Upper
202 100
101 5.6 0.0 25.6
203 17.6 0.0 38.1

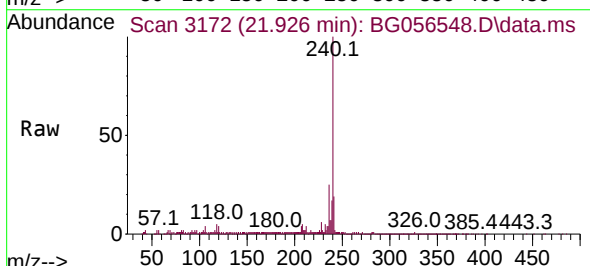
Manual Integrations

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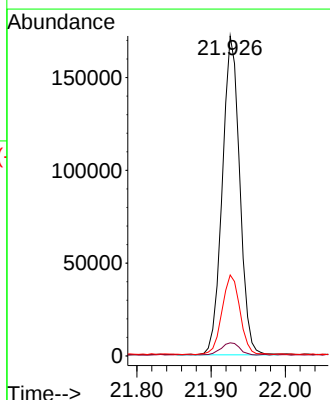
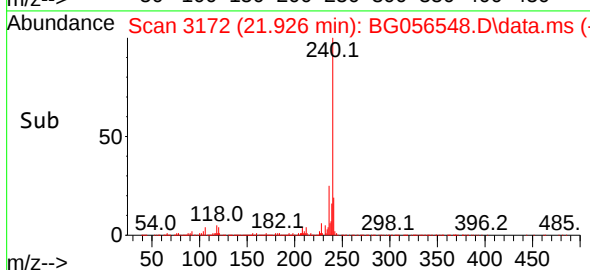
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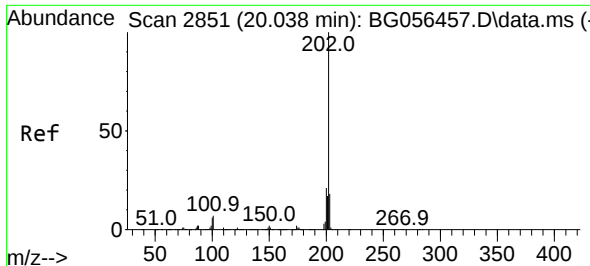


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.926 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17



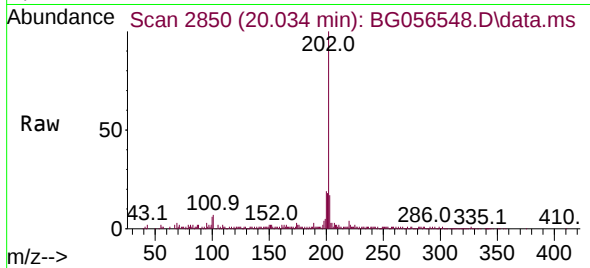
Tgt Ion:240 Resp: 280121
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 25.3 20.2 30.2





#78
Pyrene
Concen: 5.588 ng
RT: 20.034 min Scan# 2851
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

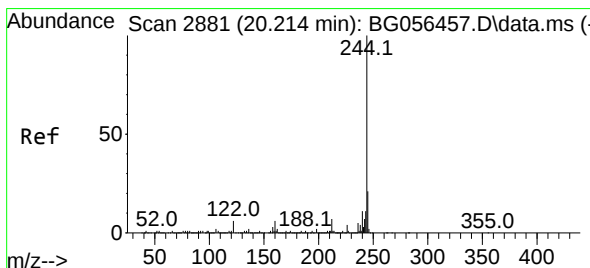
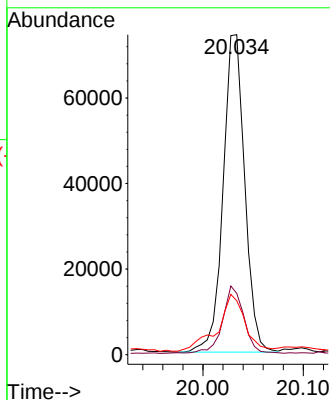
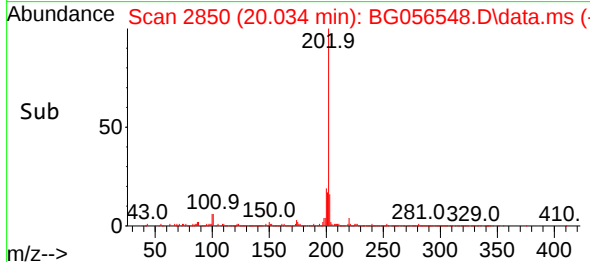
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1



Tgt Ion:202 Resp: 111335
Ion Ratio Lower Upper
202 100
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203 16.8 14.4 21.6

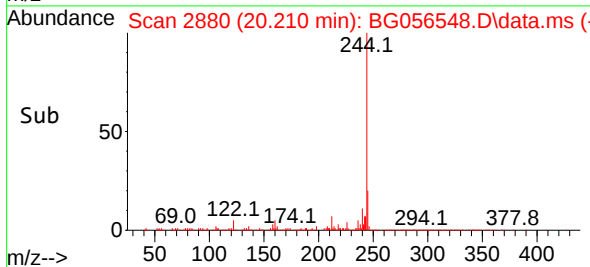
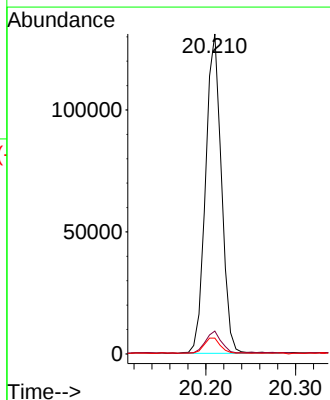
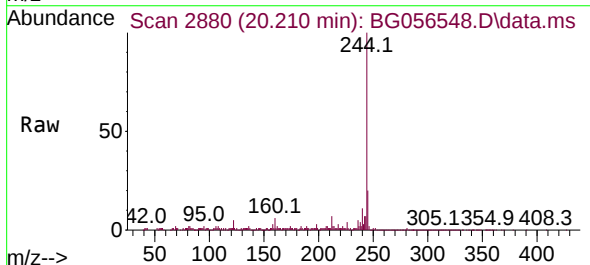
Manual Integrations
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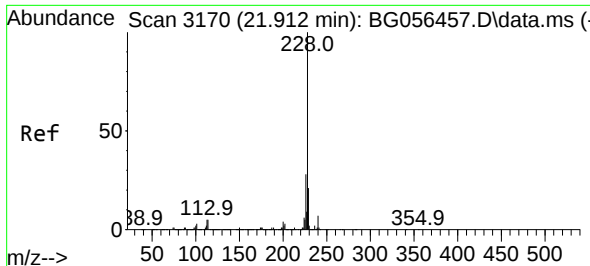
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#79
Terphenyl-d14
Concen: 10.073 ng
RT: 20.210 min Scan# 2880
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Tgt Ion:244 Resp: 160650
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 4.9 4.4 6.6





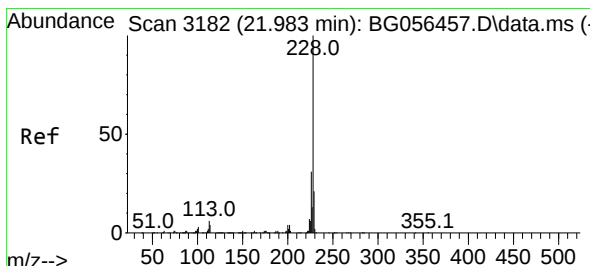
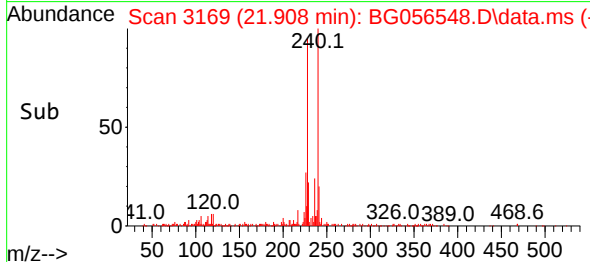
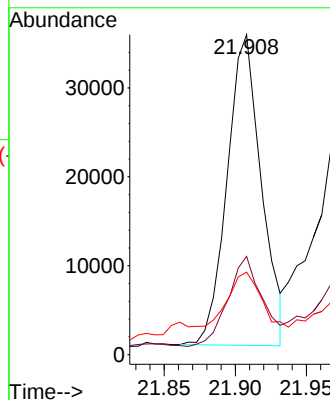
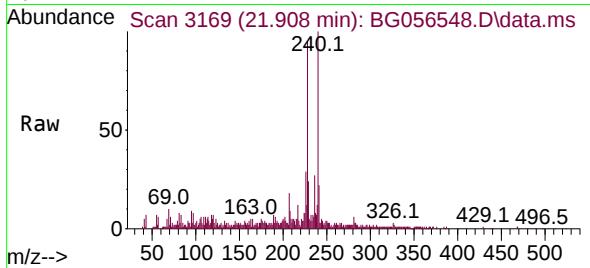
#81
Benzo(a)anthracene
Concen: 2.987 ng
RT: 21.908 min Scan# 3170
Delta R.T. 0.007 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

Tgt Ion:228 Resp: 58495
Ion Ratio Lower Upper
228 100
226 30.7 22.4 33.6
229 25.8 16.5 24.7

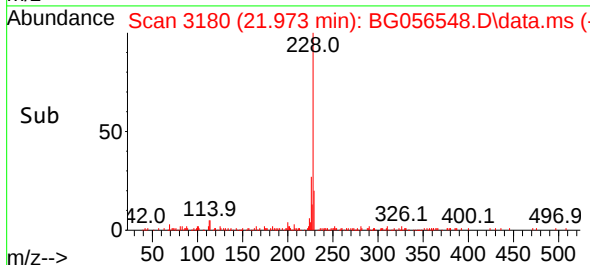
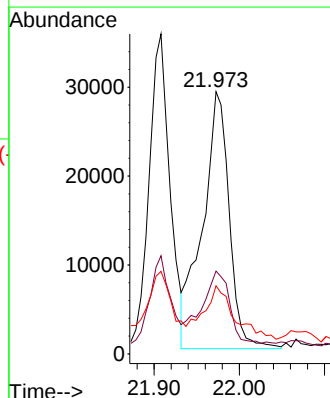
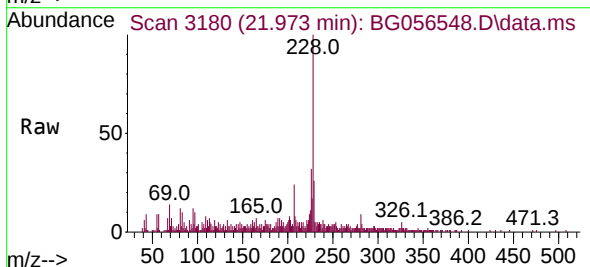
Manual Integrations
APPROVED

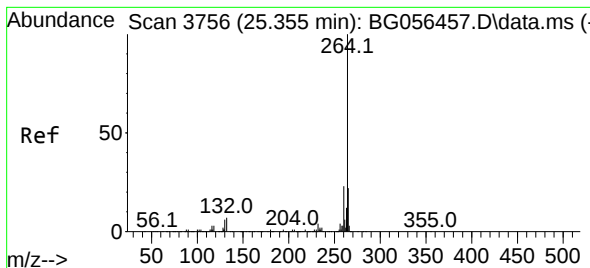
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#83
Chrysene
Concen: 3.435 ng m
RT: 21.973 min Scan# 3180
Delta R.T. -0.004 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Tgt Ion:228 Resp: 63208
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.4
229 26.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.363 min Scan# 31

Delta R.T. 0.019 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

Tgt Ion:264 Resp: 276306

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

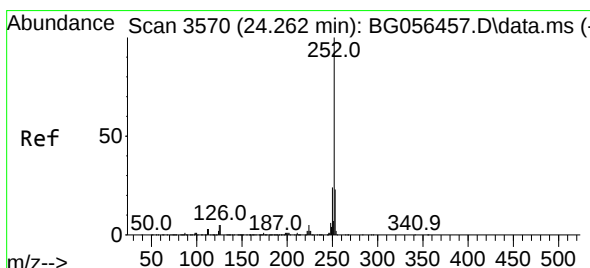
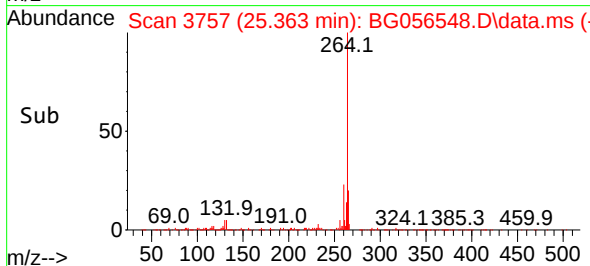
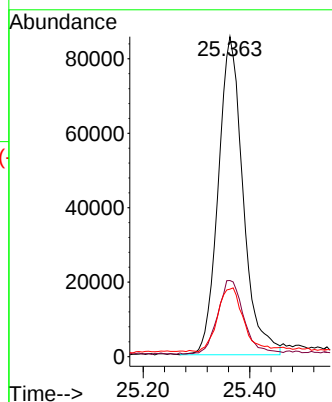
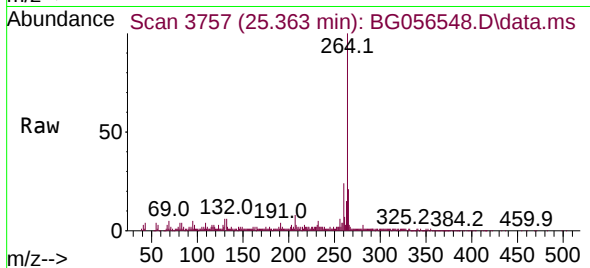
265 21.1 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#88

Benzo(b)fluoranthene

Concen: 4.267 ng

RT: 24.264 min Scan# 3570

Delta R.T. 0.013 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

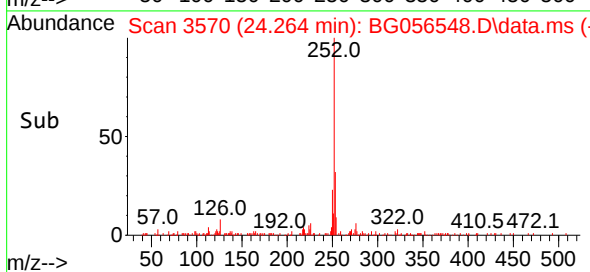
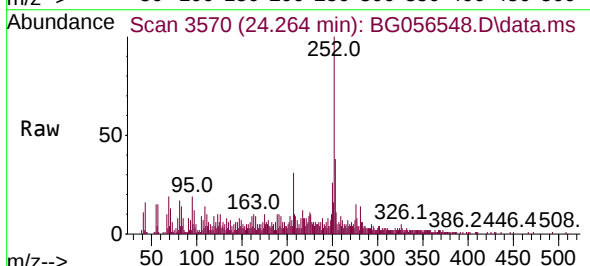
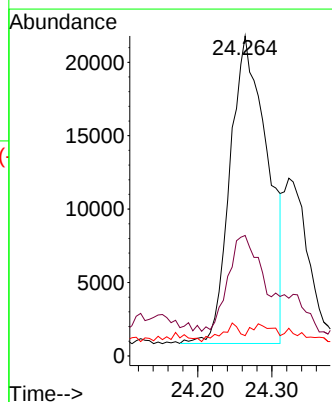
Tgt Ion:252 Resp: 73186

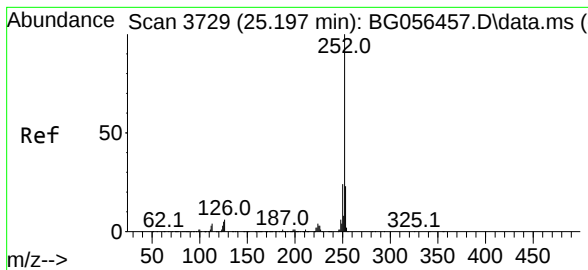
Ion Ratio Lower Upper

252 100

253 37.6 18.1 27.1#

125 6.3 3.9 5.9#





#90

Benzo(a)pyrene

Concen: 3.173 ng

RT: 25.192 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG056548.D

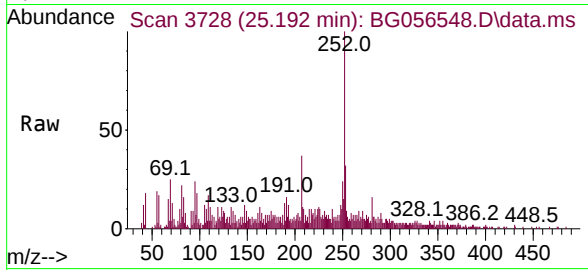
Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1



Tgt Ion:252 Resp: 53604

Ion Ratio Lower Upper

252 100

253 32.2 18.4 27.6

125 9.1 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023

