

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
 Data File : BG056357.D
 Acq On : 19 Jan 2023 21:51
 Operator : CG/JU
 Sample : 01179-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-208

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/20/2023
 Supervised By : Jagrut Upadhyay 01/20/2023

Quant Time: Jan 20 01:37:40 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	8.308	152	40068	20.000	ng	0.00
21) Naphthalene-d8	11.134	136	144990	20.000	ng	0.00
39) Acenaphthene-d10	14.918	164	114988	20.000	ng	0.00
64) Phenanthrene-d10	17.656	188	306262	20.000	ng	0.00
76) Chrysene-d12	21.951	240	289394	20.000	ng	0.00
86) Perylene-d12	25.394	264	313988	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.829	112	257952	114.948	ng	0.00
7) Phenol-d6	7.444	99	351217	101.912	ng	0.00
23) Nitrobenzene-d5	9.477	82	179667	63.385	ng	0.00
42) 2,4,6-Tribromophenol	16.399	330	178889	122.838	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	568050	68.217	ng	0.00
79) Terphenyl-d14	20.229	244	1100210	68.092	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.697	178	112251	7.073	ng	98
75) Fluoranthene	19.689	202	203182	9.814	ng	99
78) Pyrene	20.047	202	192192	9.422	ng	98
81) Benzo(a)anthracene	21.927	228	88289	4.344	ng	99
83) Chrysene	21.998	228	100704	5.289	ng	96
87) Indeno(1,2,3-cd)pyrene	29.342	276	47837	2.095	ng	# 91
88) Benzo(b)fluoranthene	24.289	252	121901	6.110	ng	# 99
89) Benzo(k)fluoranthene	24.354	252	49413m	2.487	ng	
90) Benzo(a)pyrene	25.224	252	74353	3.821	ng	# 96
92) Benzo(g,h,i)perylene	30.570	276	42776	2.304	ng	# 91

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

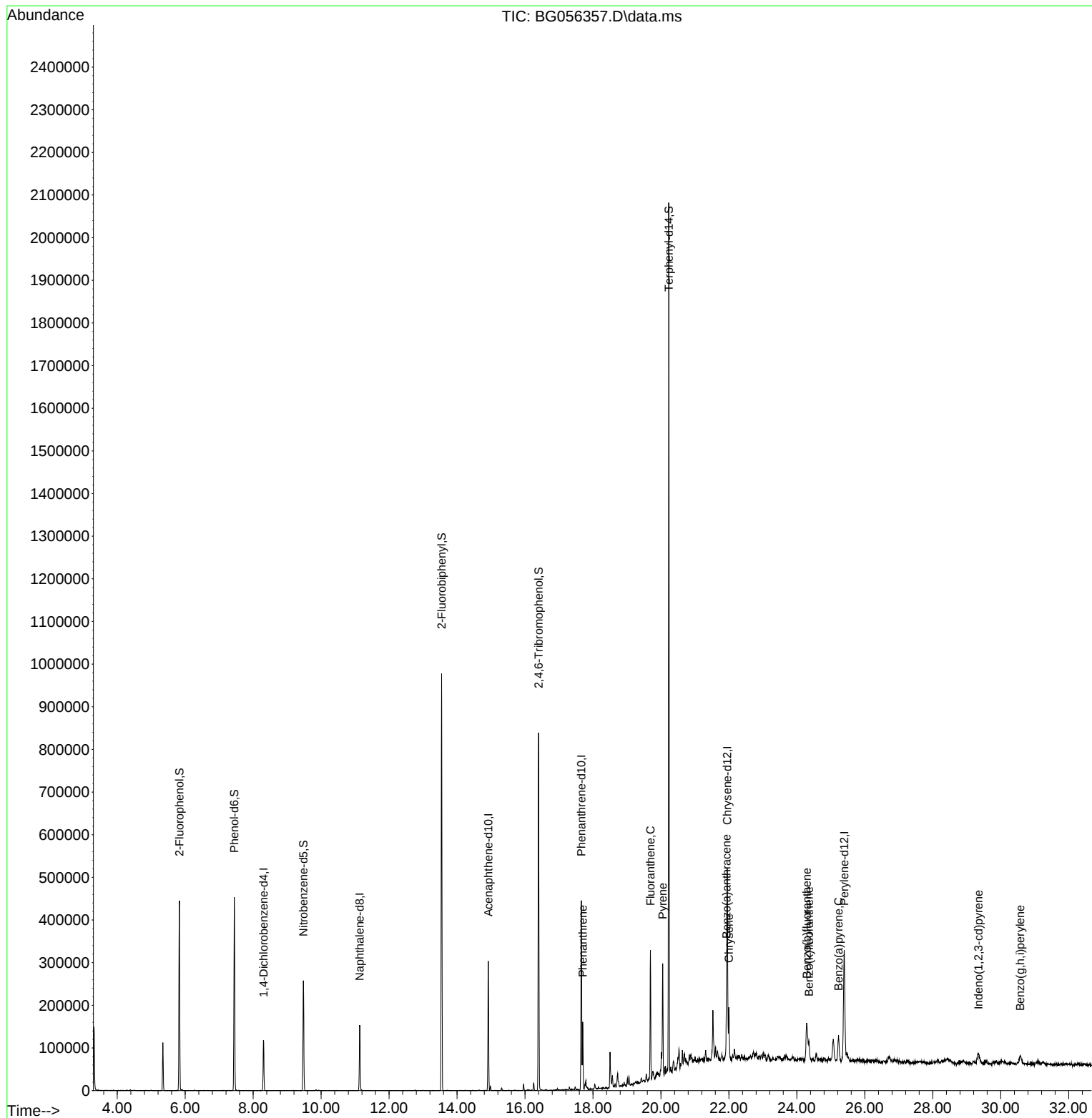
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
Data File : BG056357.D
Acq On : 19 Jan 2023 21:51
Operator : CG/JU
Sample : 01179-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

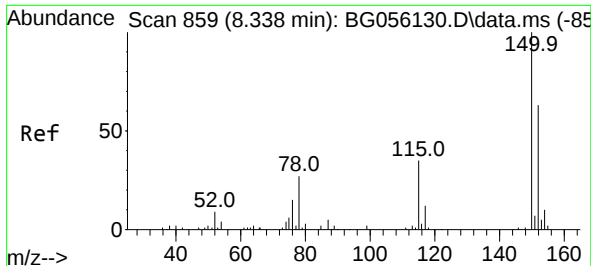
Instrument :
BNA_G
ClientSampleId :
VNJ-208

Quant Time: Jan 20 01:37:40 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

Manual Integrations
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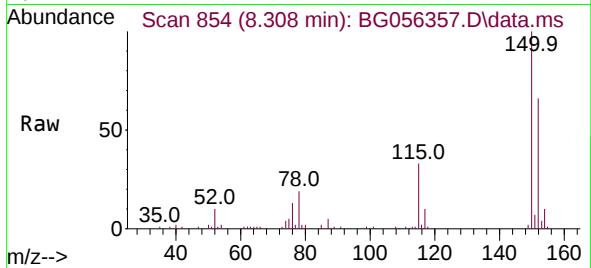
Reviewed By : Christian Giraldo 01/20/2023
Supervised By : Jagrut Upadhyay 01/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.308 min Scan# 859
Delta R.T. 0.002 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

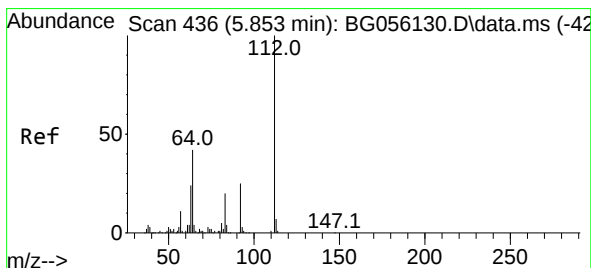
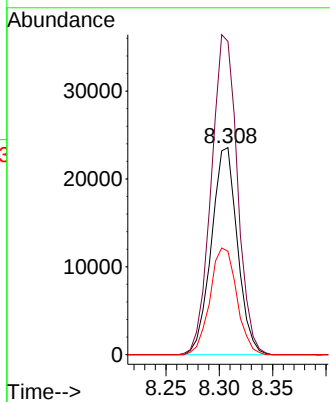
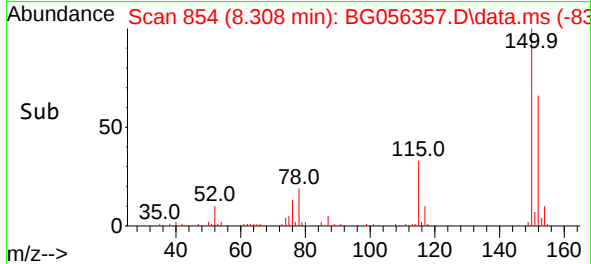
Instrument :
BNA_G
ClientSampleId :
VNJ-208



Tgt Ion:152 Resp: 40068
Ion Ratio Lower Upper
152 100
150 151.3 127.9 191.9
115 49.9 44.2 66.2

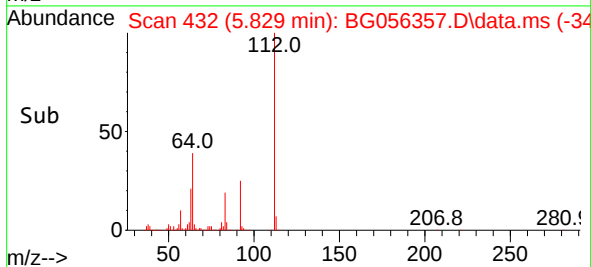
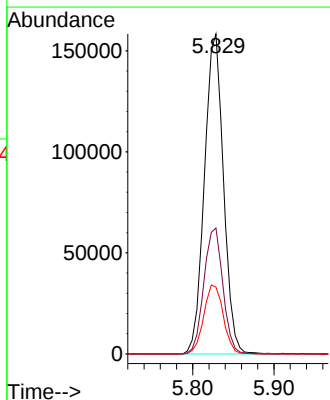
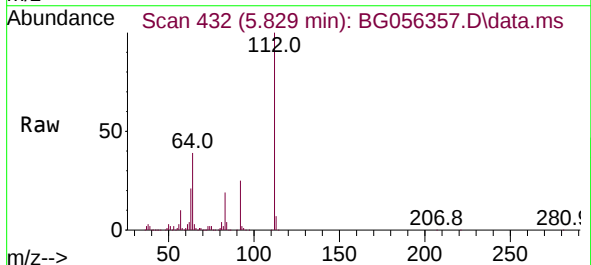
Manual Integrations
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Supervised By :Jagrut Upadhyay 01/20/2023



#5
2-Fluorophenol
Concen: 114.948 ng
RT: 5.829 min Scan# 432
Delta R.T. 0.002 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

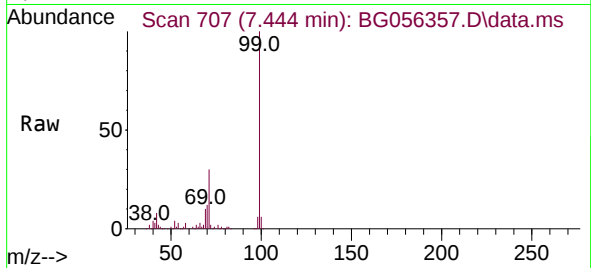
Tgt Ion:112 Resp: 257952
Ion Ratio Lower Upper
112 100
64 39.3 33.3 49.9
63 20.9 19.0 28.4





#7
Phenol-d6
Concen: 101.912 ng
RT: 7.444 min Scan# 707
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

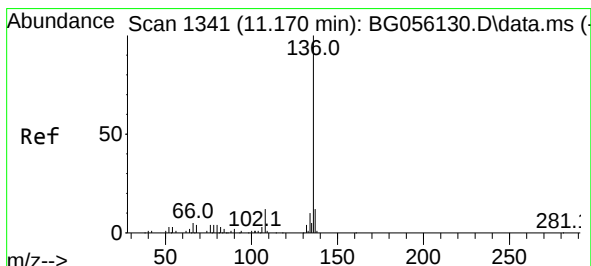
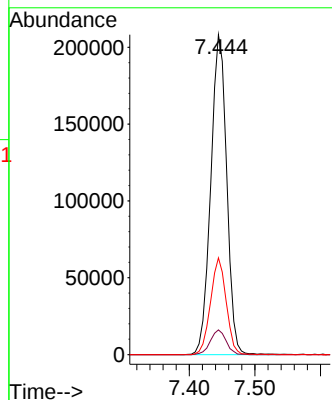
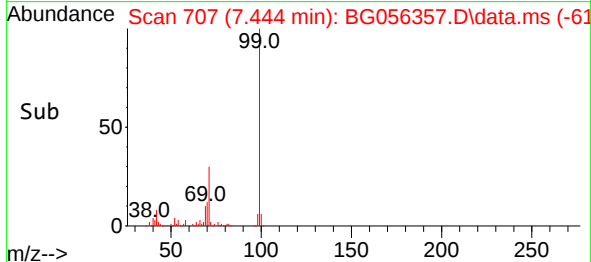
Instrument :
BNA_G
ClientSampleId :
VNJ-208



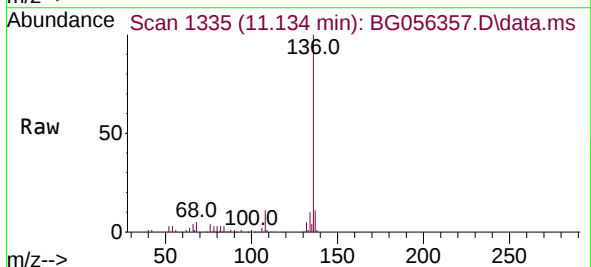
Tgt Ion: 99 Resp: 351217
Ion Ratio Lower Upper
99 100
42 7.7 5.9 8.9
71 30.2 25.4 38.2

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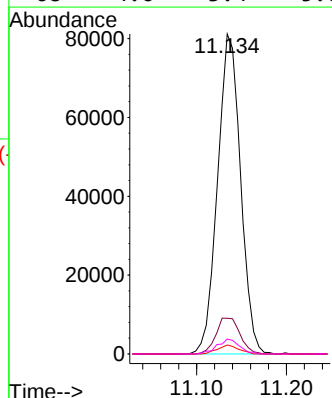
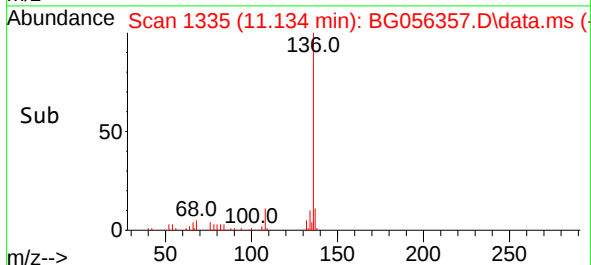
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.134 min Scan# 1335
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51



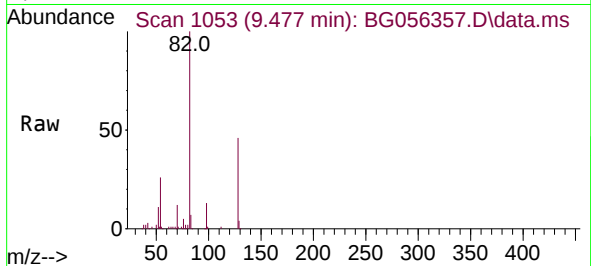
Tgt Ion:136 Resp: 144990
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.0
54 2.8 2.2 3.2
68 4.6 3.4 5.0





#23
Nitrobenzene-d5
Concen: 63.385 ng
RT: 9.477 min Scan# 1053
Delta R.T. -0.010 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

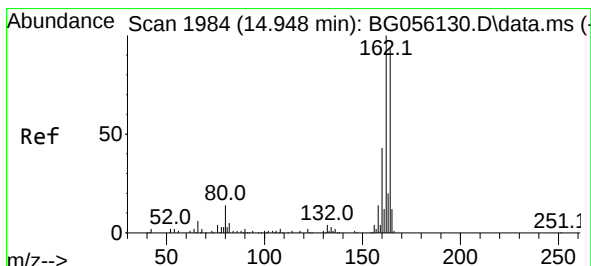
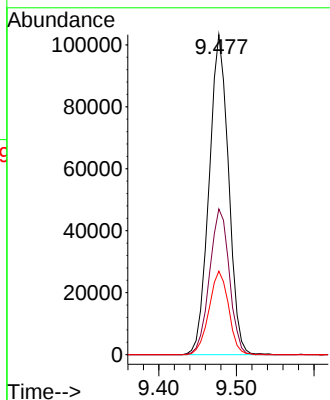
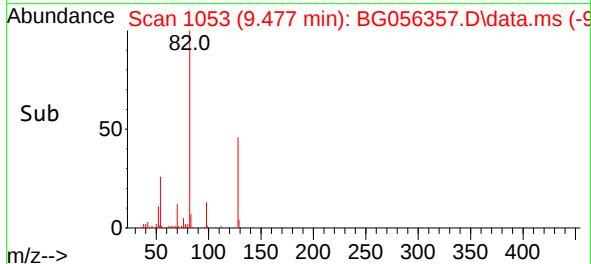
Instrument :
BNA_G
ClientSampleId :
VNJ-208



Tgt Ion: 82 Resp: 179662
Ion Ratio Lower Upper
82 100
128 45.5 33.4 50.2
54 26.1 20.3 30.5

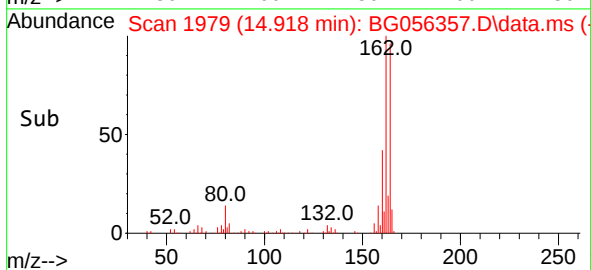
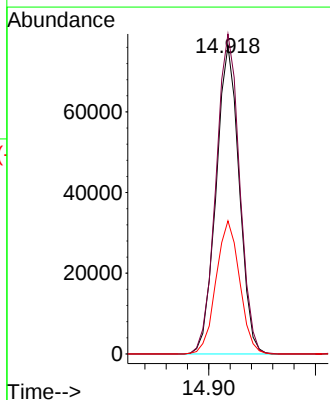
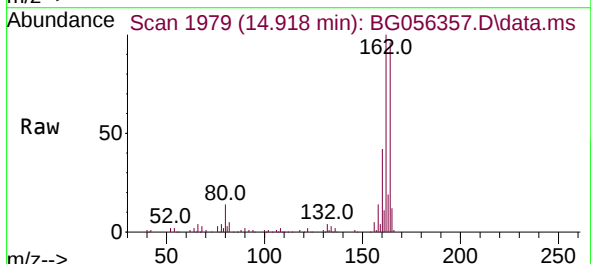
Manual Integrations
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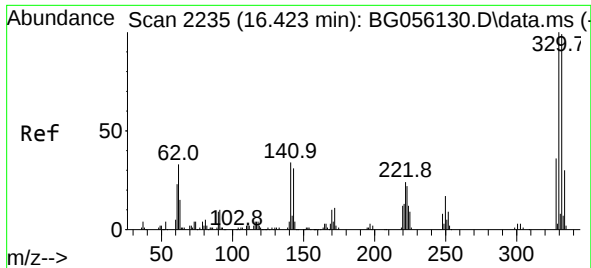
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.918 min Scan# 1979
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

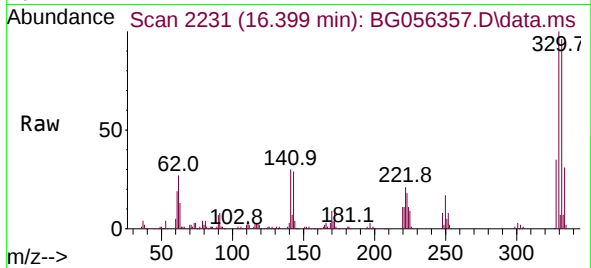
Tgt Ion:164 Resp: 114988
Ion Ratio Lower Upper
164 100
162 103.9 84.7 127.1
160 43.2 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 122.838 ng
RT: 16.399 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

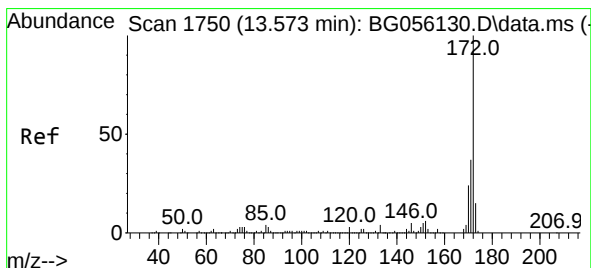
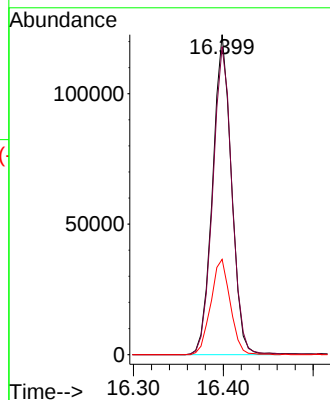
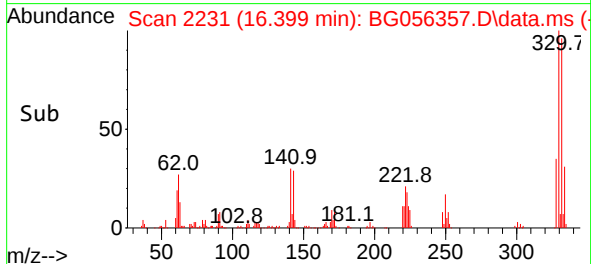
Instrument :
BNA_G
ClientSampleId :
VNJ-208



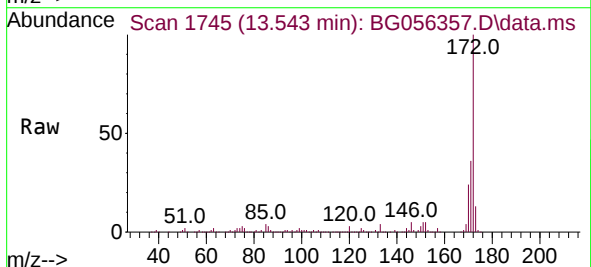
Tgt Ion:330 Resp: 178889
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 30.7 27.9 41.9

Manual Integrations
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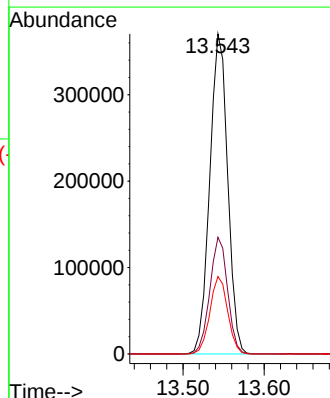
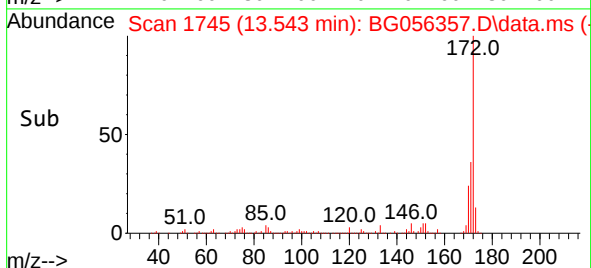
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#45
2-Fluorobiphenyl
Concen: 68.217 ng
RT: 13.543 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51



Tgt Ion:172 Resp: 568050
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.2 19.4 29.2





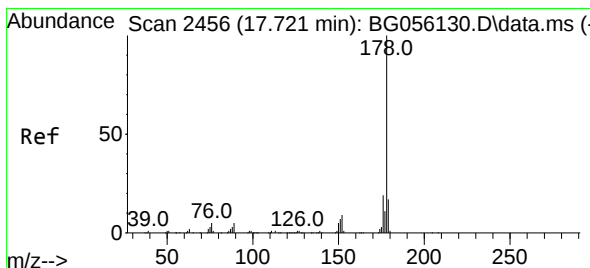
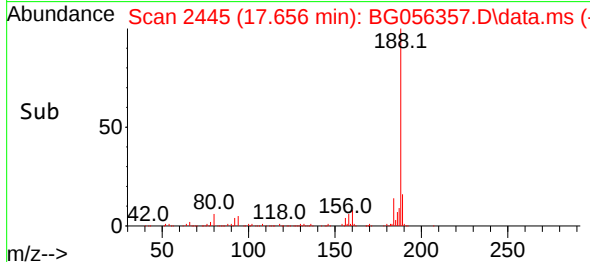
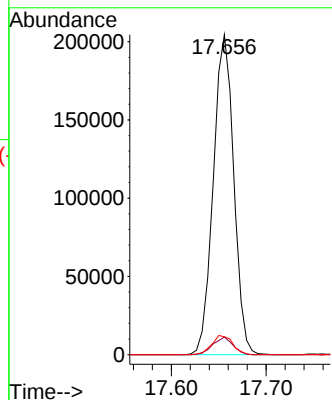
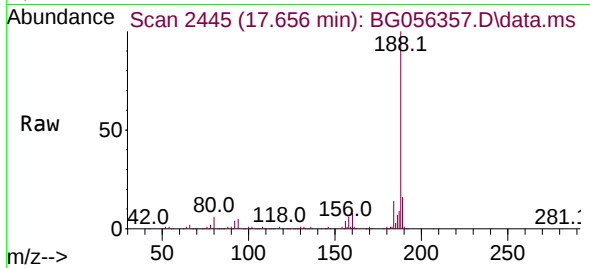
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.656 min Scan# 2445
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

Instrument :
BNA_G
ClientSampleId :
VNJ-208

Tgt Ion:188 Resp: 306262
Ion Ratio Lower Upper
188 100
94 5.5 4.2 6.2
80 5.6 5.0 7.4

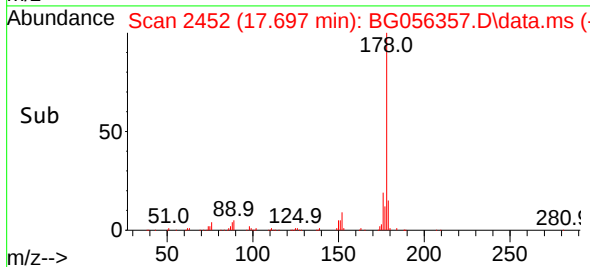
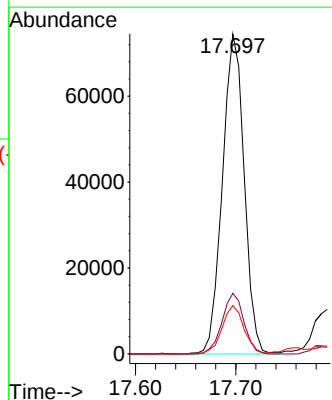
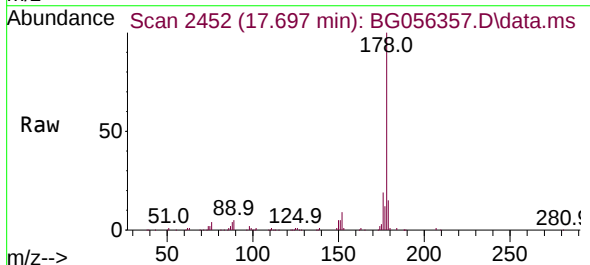
Manual Integrations
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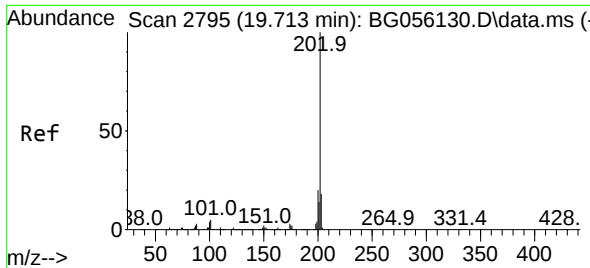
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#71
Phenanthrene
Concen: 7.073 ng
RT: 17.697 min Scan# 2452
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

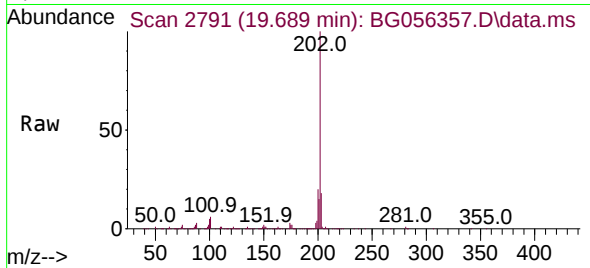
Tgt Ion:178 Resp: 112251
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.1 13.6 20.4





#75
Fluoranthene
Concen: 9.814 ng
RT: 19.689 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

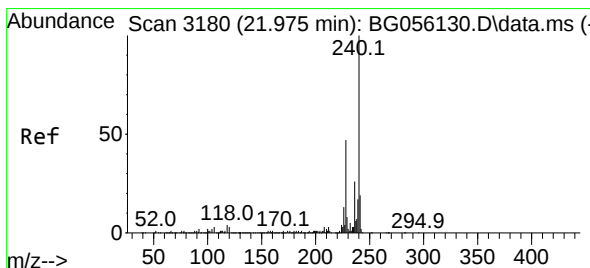
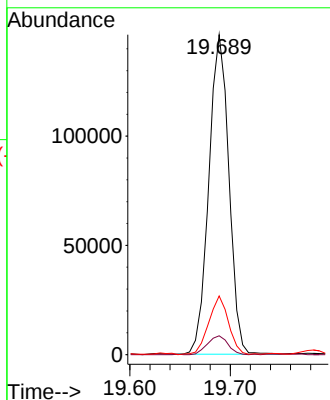
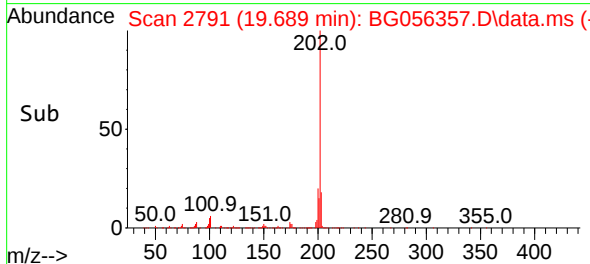
Instrument :
BNA_G
ClientSampleId :
VNJ-208



Tgt Ion:202 Resp: 203182
Ion Ratio Lower Upper
202 100
101 5.9 0.0 25.0
203 18.3 0.0 38.0

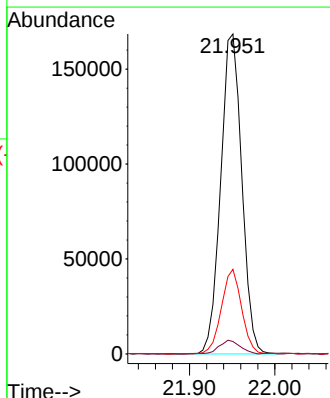
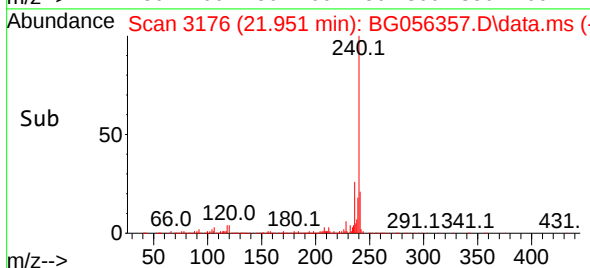
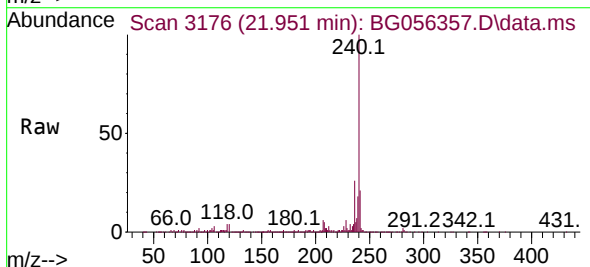
Manual Integrations
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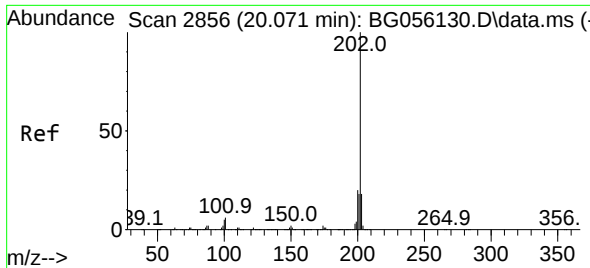
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.951 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

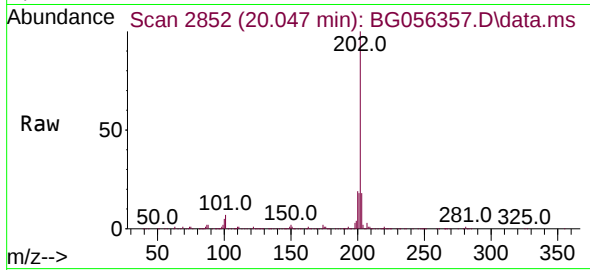
Tgt Ion:240 Resp: 289394
Ion Ratio Lower Upper
240 100
120 3.9 2.6 4.0
236 26.4 20.8 31.2





#78
 Pyrene
 Concen: 9.422 ng
 RT: 20.047 min Scan# 2852
 Delta R.T. -0.004 min
 Lab File: BG056357.D
 Acq: 19 Jan 2023 21:51

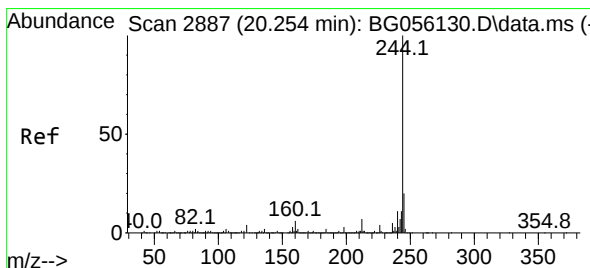
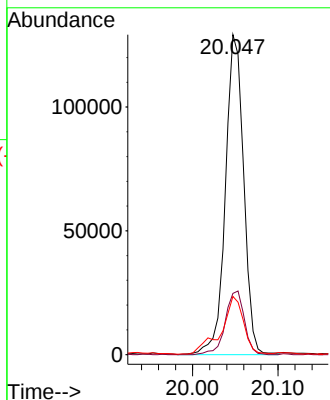
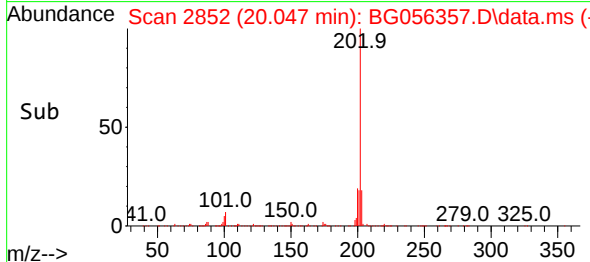
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-208



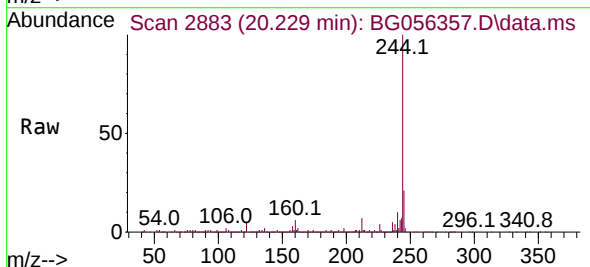
Tgt Ion:202 Resp: 192192
 Ion Ratio Lower Upper
 202 100
 200 19.1 16.4 24.6
 203 18.2 14.3 21.5

Manual Integrations
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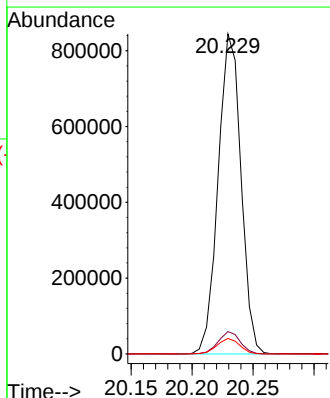
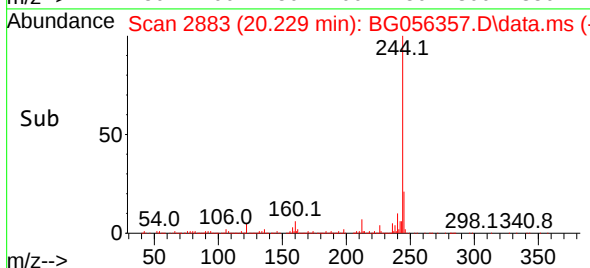
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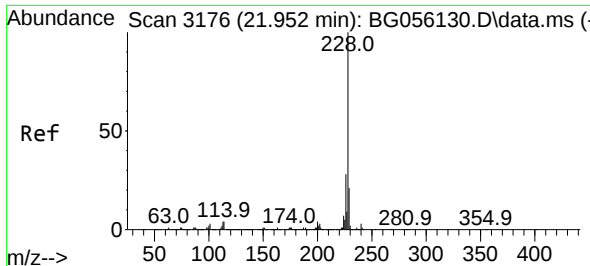


#79
 Terphenyl-d14
 Concen: 68.092 ng
 RT: 20.229 min Scan# 2883
 Delta R.T. -0.004 min
 Lab File: BG056357.D
 Acq: 19 Jan 2023 21:51



Tgt Ion:244 Resp: 1100210
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 4.8 3.5 5.3





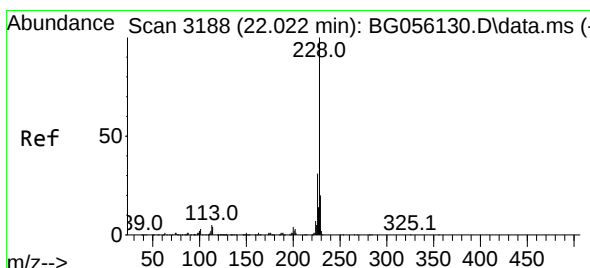
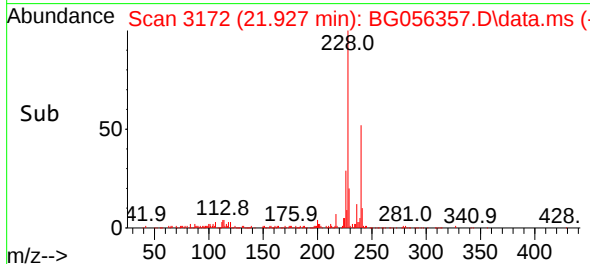
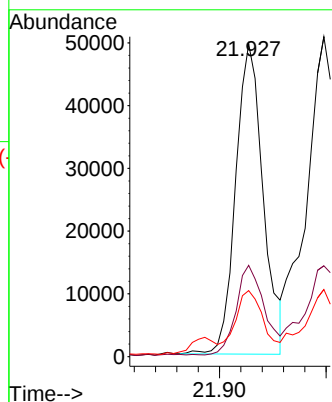
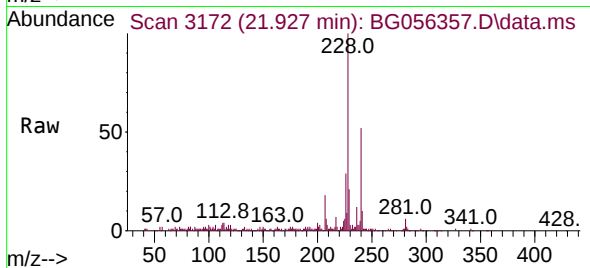
#81
Benzo(a)anthracene
Concen: 4.344 ng
RT: 21.927 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

Instrument :
BNA_G
ClientSampleId :
VNJ-208

Tgt Ion:228 Resp: 88289
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 21.1 16.9 25.3

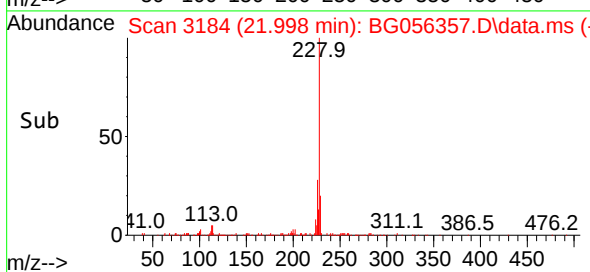
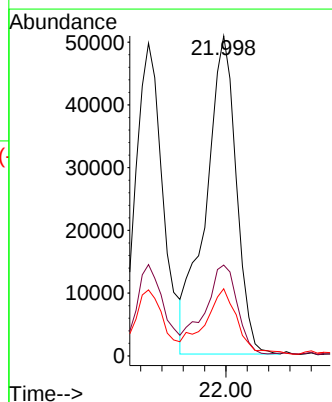
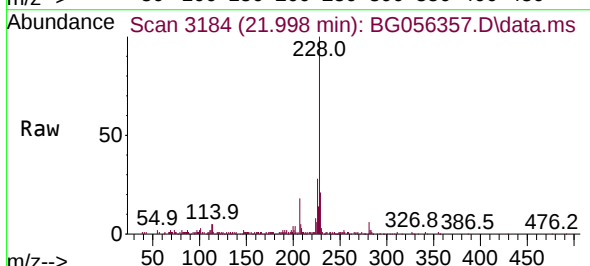
Manual Integrations
APPROVED

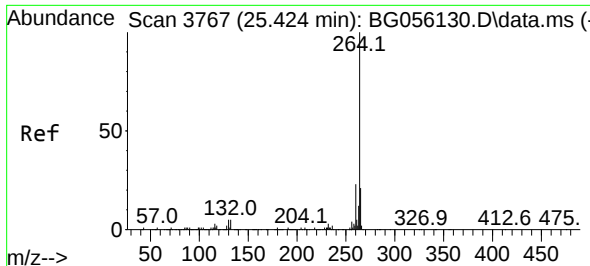
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#83
Chrysene
Concen: 5.289 ng
RT: 21.998 min Scan# 3184
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

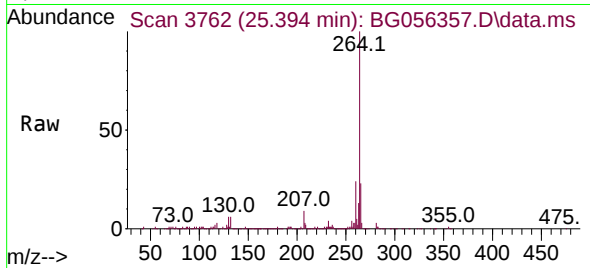
Tgt Ion:228 Resp: 100704
Ion Ratio Lower Upper
228 100
226 28.4 24.6 36.8
229 21.0 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.394 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

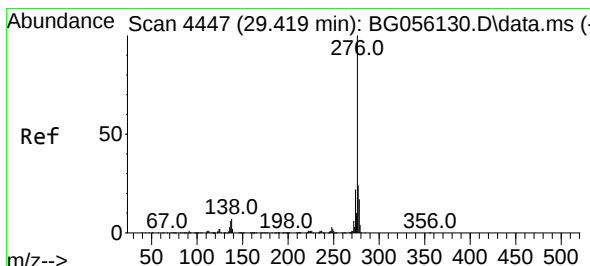
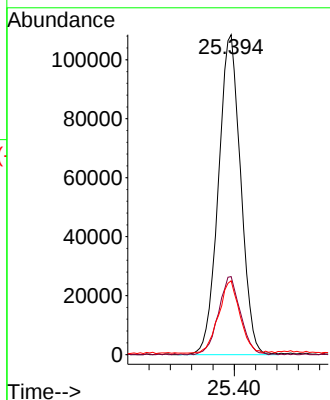
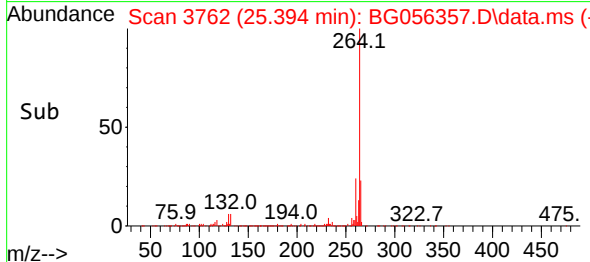
Instrument :
BNA_G
ClientSampleId :
VNJ-208



Tgt Ion:264 Resp: 313988
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 23.1 16.7 25.1

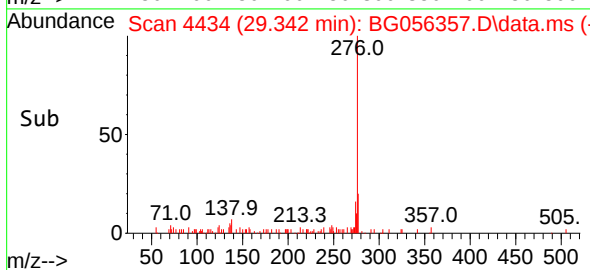
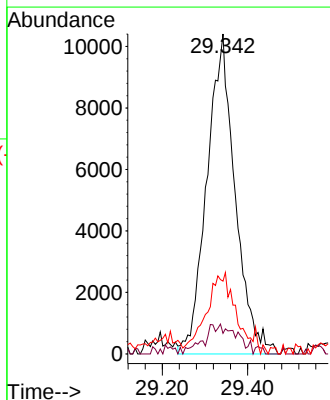
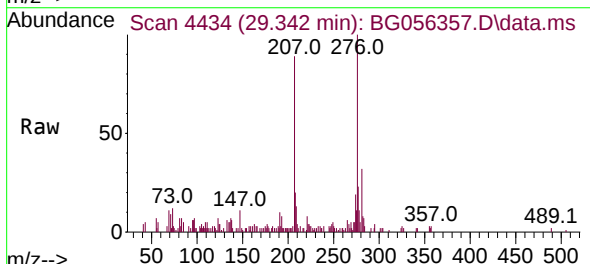
Manual Integrations
APPROVED

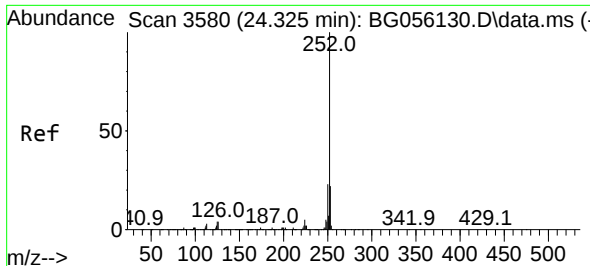
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.095 ng
RT: 29.342 min Scan# 4434
Delta R.T. -0.015 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

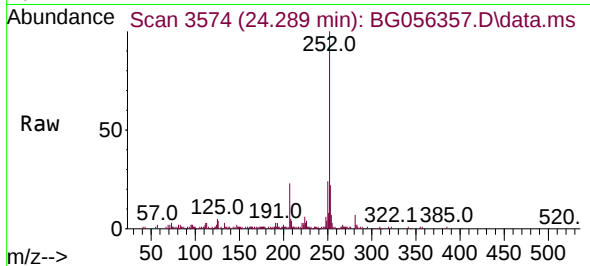
Tgt Ion:276 Resp: 47837
Ion Ratio Lower Upper
276 100
138 0.0 5.0 7.4#
277 22.3 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 6.110 ng
RT: 24.289 min Scan# 3574
Delta R.T. -0.004 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

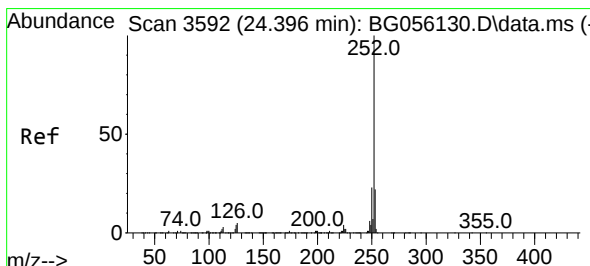
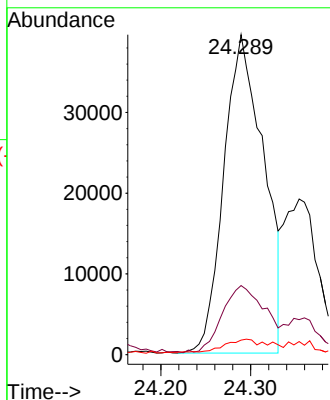
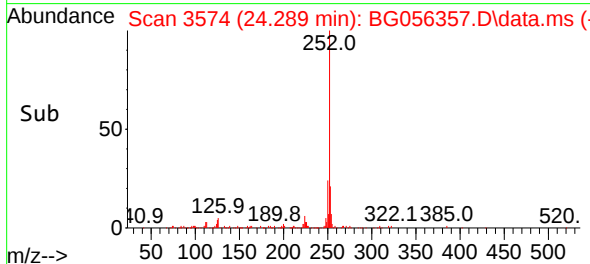
Instrument :
BNA_G
ClientSampleId :
VNJ-208



Tgt Ion:252 Resp: 121901
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 4.6 3.0 4.4

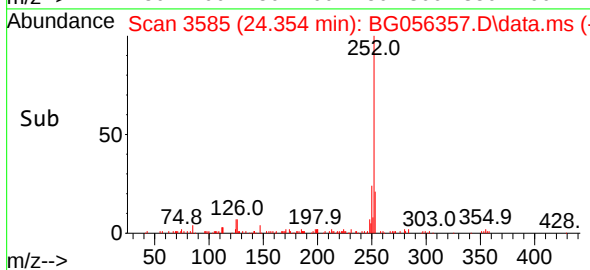
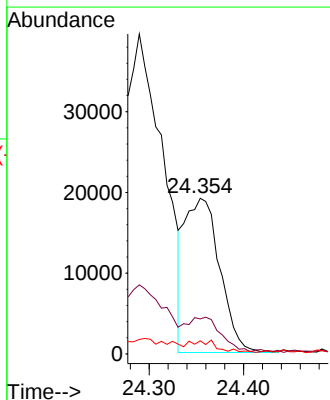
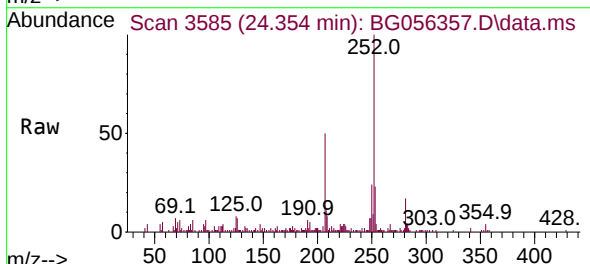
Manual Integrations
APPROVED

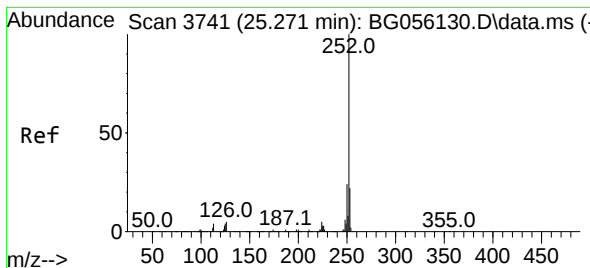
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#89
Benzo(k)fluoranthene
Concen: 2.487 ng m
RT: 24.354 min Scan# 3585
Delta R.T. -0.015 min
Lab File: BG056357.D
Acq: 19 Jan 2023 21:51

Tgt Ion:252 Resp: 49413
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 8.4 3.4 5.0





#90

Benzo(a)pyrene

Concen: 3.821 ng

RT: 25.224 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG056357.D

Acq: 19 Jan 2023 21:51

Instrument :

BNA_G

ClientSampleId :

VNJ-208

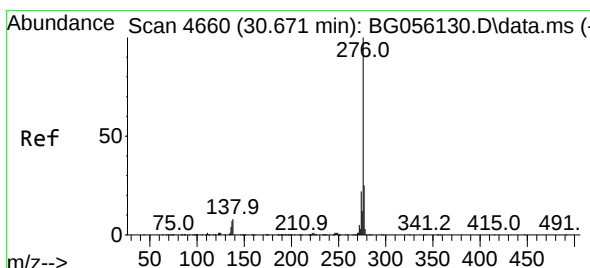
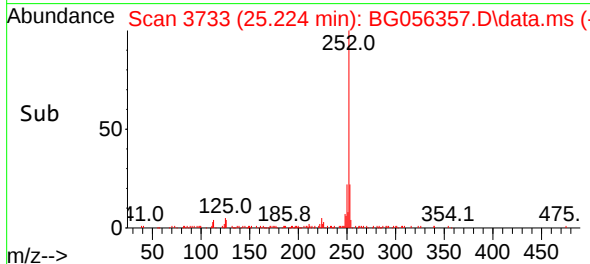
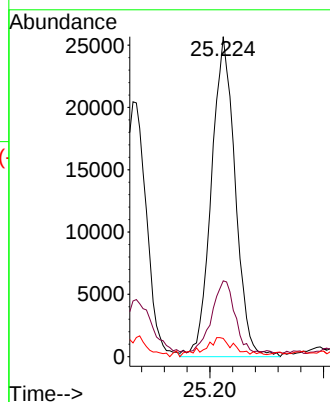
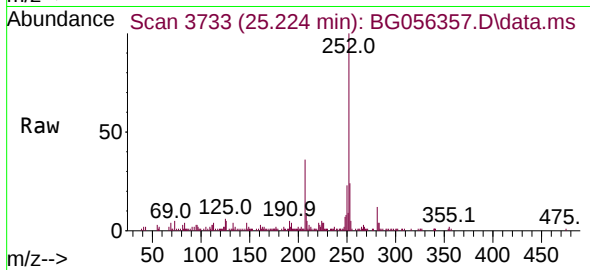
Tgt Ion:	252	Resp:	7435
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.2
125	5.7	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#92

Benzo(g,h,i)perylene

Concen: 2.304 ng

RT: 30.570 min Scan# 4643

Delta R.T. -0.027 min

Lab File: BG056357.D

Acq: 19 Jan 2023 21:51

Tgt Ion:	276	Resp:	42776
Ion Ratio	Lower	Upper	
276	100		
277	28.0	19.7	29.5
138	14.5	6.7	10.1

