

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
 Data File : BG056027.D
 Acq On : 20 Dec 2022 12:58
 Operator : CG/JU
 Sample : N6086-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-141522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/21/2022
 Supervised By : Jagrut Upadhyay 12/21/2022

Quant Time: Dec 20 13:41:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.365	152	12888	20.000	ng	0.00
21) Naphthalene-d8	11.197	136	47647	20.000	ng	#-0.01
39) Acenaphthene-d10	14.969	164	36250	20.000	ng	-0.01
64) Phenanthrene-d10	17.707	188	86840	20.000	ng	#-0.01
76) Chrysene-d12	22.014	240	89437	20.000	ng	#-0.02
86) Perylene-d12	25.515	264	103001	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.885	112	46483	84.583	ng	0.00
7) Phenol-d6	7.495	99	56246	79.578	ng	0.00
23) Nitrobenzene-d5	9.534	82	37865	55.535	ng	-0.01
42) 2,4,6-Tribromophenol	16.449	330	54224	62.034	ng	-0.01
45) 2-Fluorobiphenyl	13.600	172	134012	51.848	ng	-0.01
79) Terphenyl-d14	20.280	244	259838	51.347	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.699	152	11338	3.558	ng	# 95
71) Phenanthrene	17.748	178	74540	16.379	ng	99
72) Anthracene	17.842	178	13237m	2.940	ng	
75) Fluoranthene	19.740	202	89996	14.122	ng	99
78) Pyrene	20.098	202	149474	27.620	ng	99
81) Benzo(a)anthracene	21.996	228	71676m	11.389	ng	
83) Chrysene	22.066	228	78473	13.304	ng	94
87) Indeno(1,2,3-cd)pyrene	29.534	276	29304	3.538	ng	# 76
88) Benzo(b)fluoranthene	24.399	252	69553m	10.434	ng	
89) Benzo(k)fluoranthene	24.458	252	26707m	4.016	ng	
90) Benzo(a)pyrene	25.345	252	63440	11.259	ng	# 97
92) Benzo(g,h,i)perylene	30.803	276	29936	4.466	ng	93

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

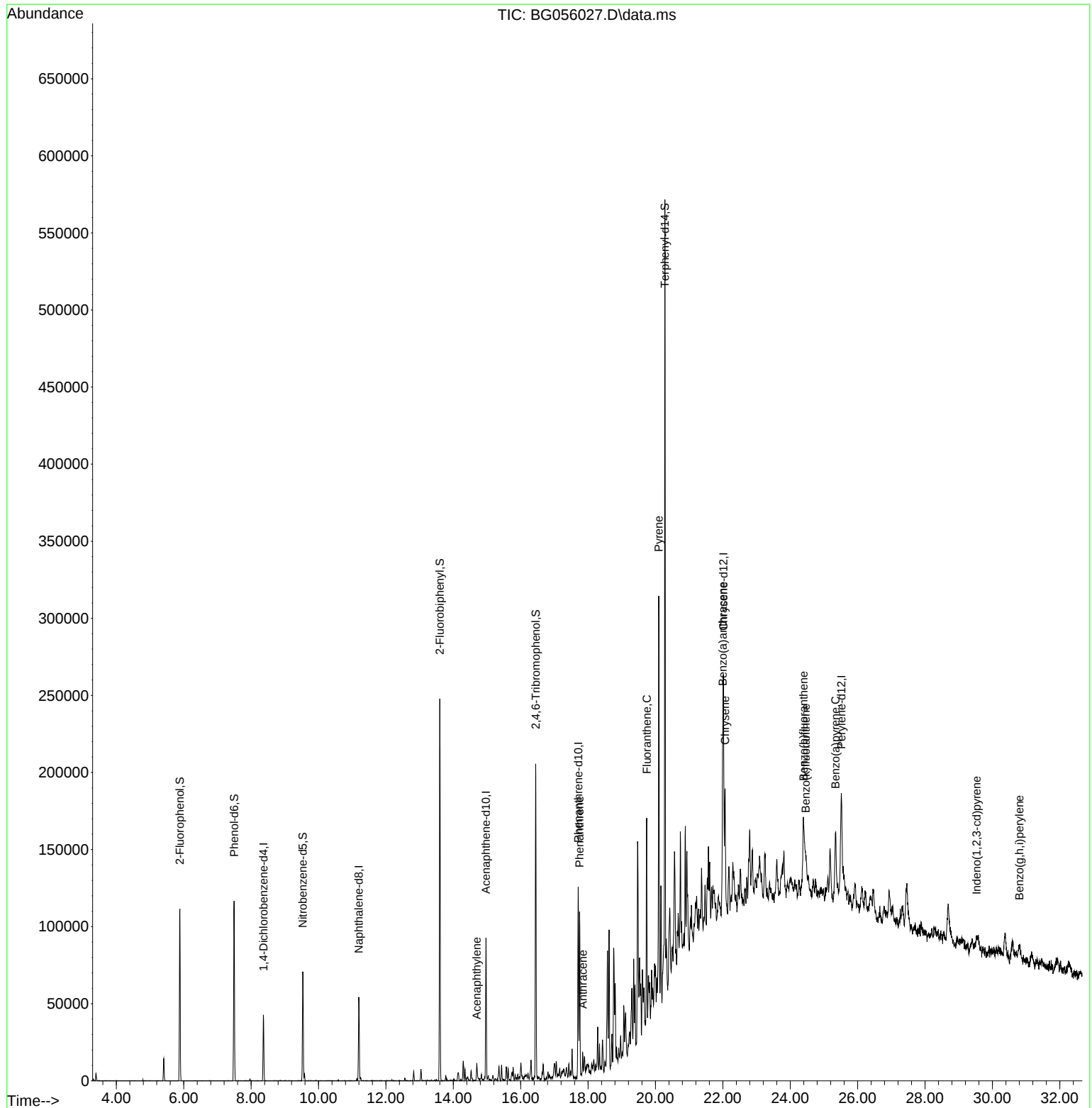
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
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ALS Vial : 4 Sample Multiplier: 1

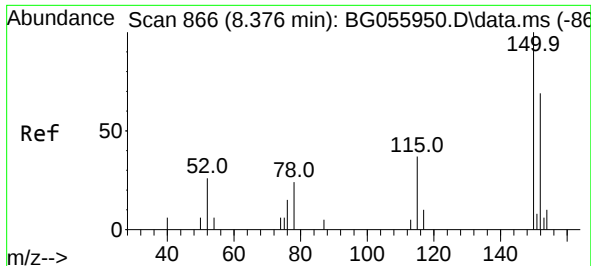
Instrument :
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ClientSampleId :
CL-01-141522

Quant Time: Dec 20 13:41:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
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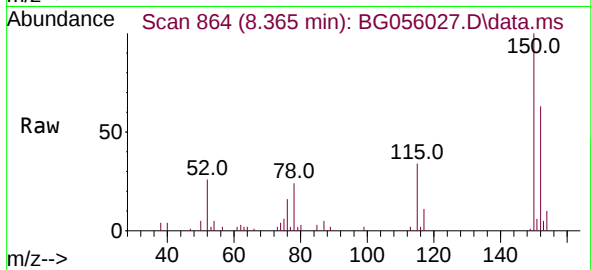
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.365 min Scan# 866
Delta R.T. 0.001 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

Instrument :

BNA_G

ClientSampleId :

CL-01-141522

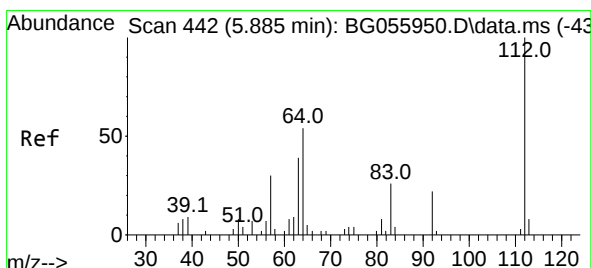
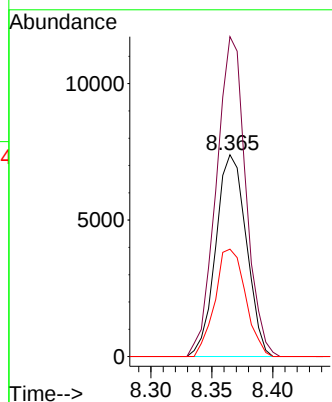
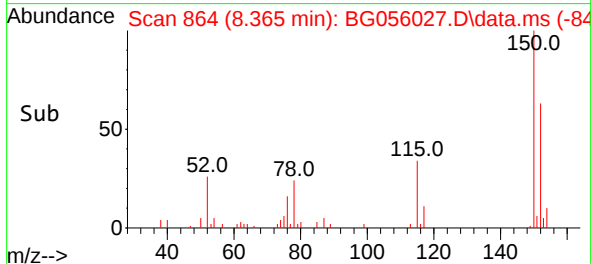


Tgt Ion:152 Resp: 12888
Ion Ratio Lower Upper
152 100
150 158.6 115.7 173.5
115 53.2 43.0 64.4

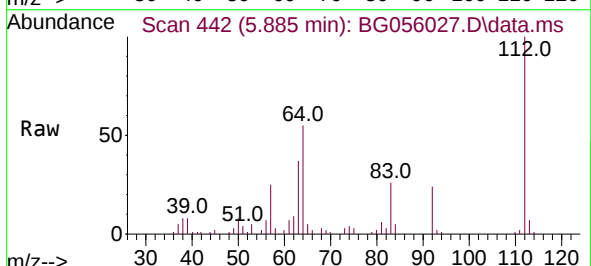
Manual Integrations

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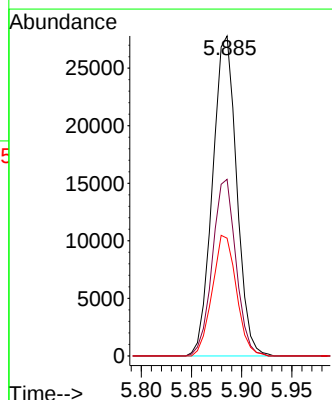
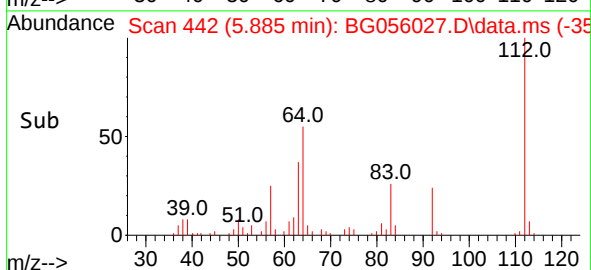
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

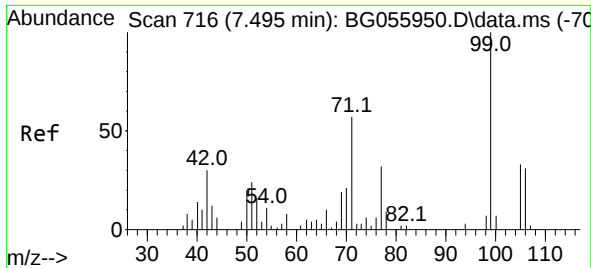


#5
2-Fluorophenol
Concen: 84.583 ng
RT: 5.885 min Scan# 442
Delta R.T. 0.001 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58



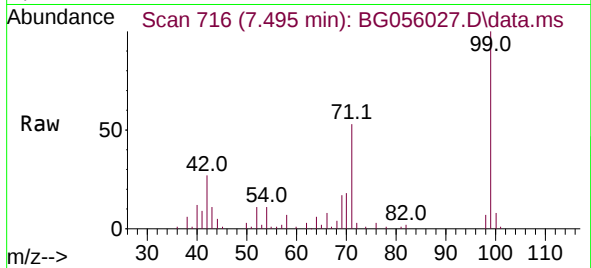
Tgt Ion:112 Resp: 46483
Ion Ratio Lower Upper
112 100
64 55.2 43.0 64.4
63 36.8 31.4 47.2





#7
Phenol-d6
Concen: 79.578 ng
RT: 7.495 min Scan# 716
Delta R.T. 0.001 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

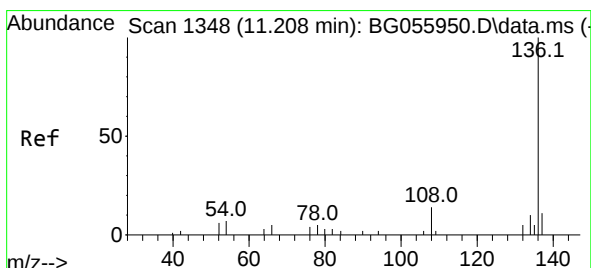
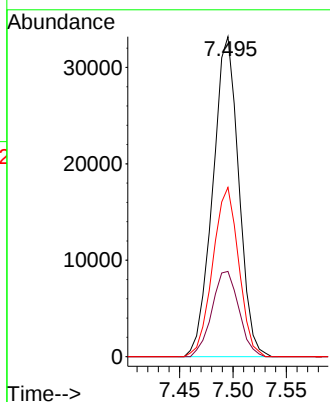
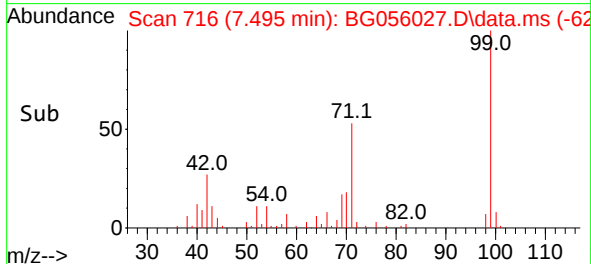
Instrument :
BNA_G
ClientSampleId :
CL-01-141522



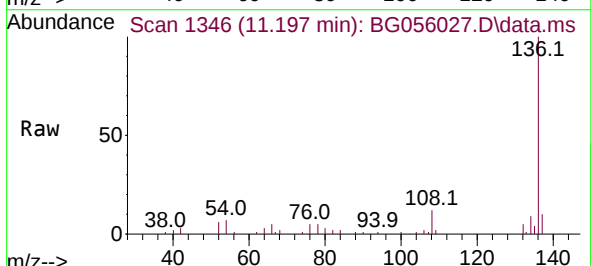
Tgt Ion: 99 Resp: 56246
Ion Ratio Lower Upper
99 100
42 26.6 24.3 36.5
71 52.9 45.6 68.4

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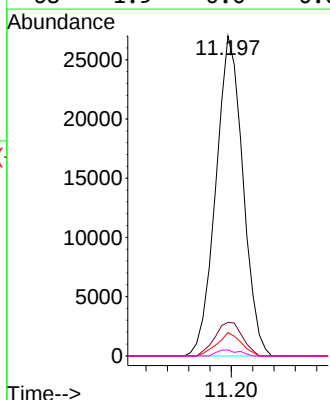
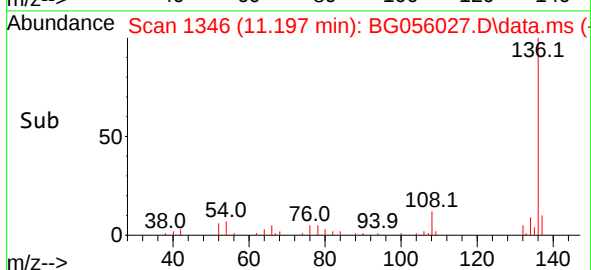
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

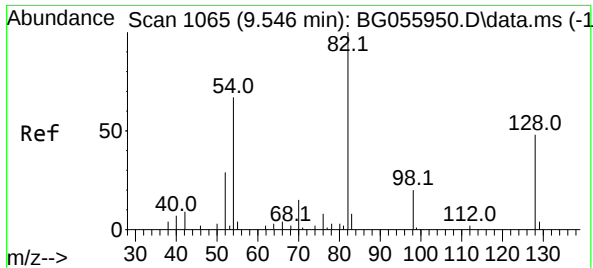


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.197 min Scan# 1346
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58



Tgt Ion:136 Resp: 47647
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 7.3 5.6 8.4
68 1.9 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 55.535 ng

RT: 9.534 min Scan# 1063

Delta R.T. -0.011 min

Lab File: BG056027.D

Acq: 20 Dec 2022 12:58

Instrument :

BNA_G

ClientSampleId :

CL-01-141522

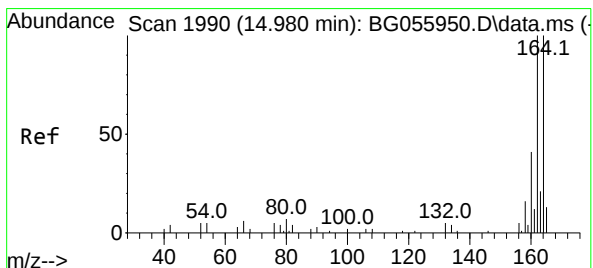
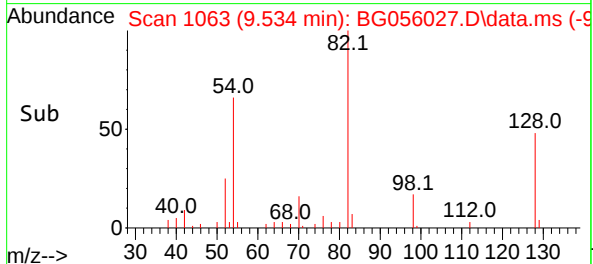
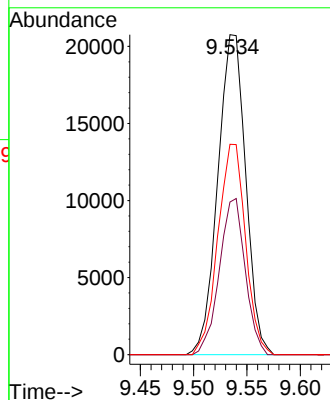
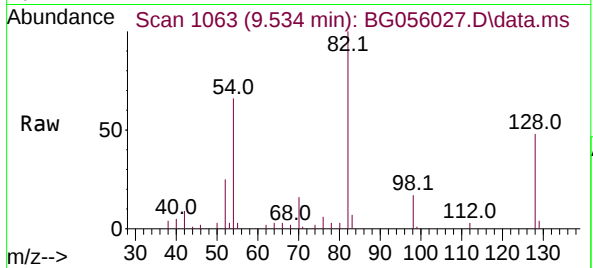
Tgt Ion: 82	Resp: 3786
Ion Ratio	Lower Upper
82	100
128	47.7 38.4 57.6
54	65.7 53.3 79.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

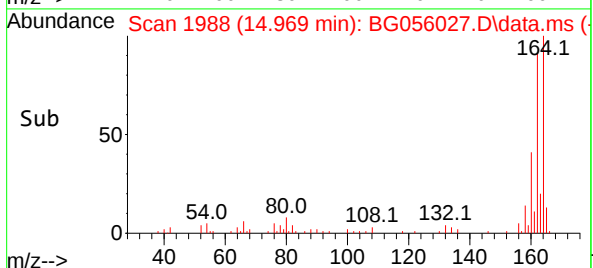
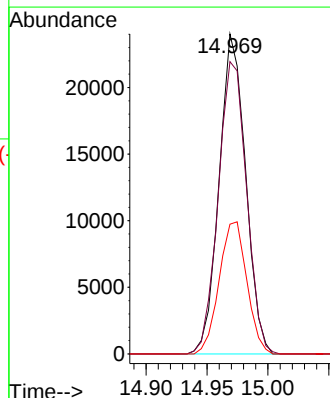
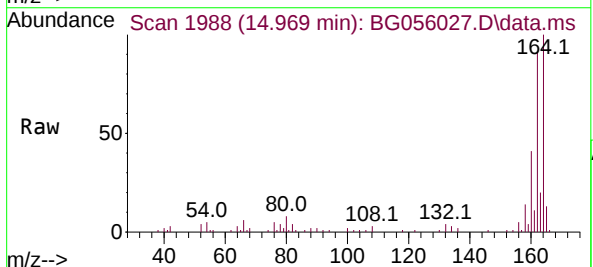
RT: 14.969 min Scan# 1988

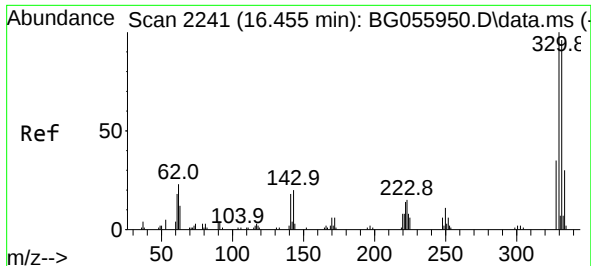
Delta R.T. -0.011 min

Lab File: BG056027.D

Acq: 20 Dec 2022 12:58

Tgt Ion:164	Resp: 36250
Ion Ratio	Lower Upper
164	100
162	91.3 79.8 119.8
160	40.5 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 62.034 ng
RT: 16.449 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

Instrument :

BNA_G

ClientSampleId :

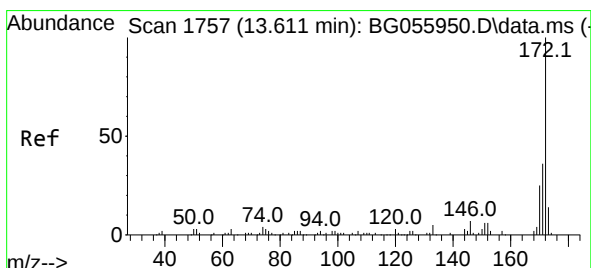
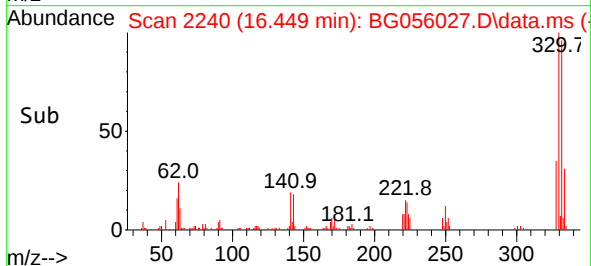
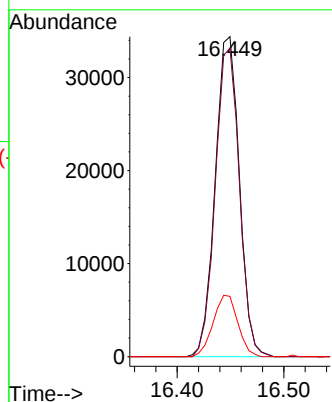
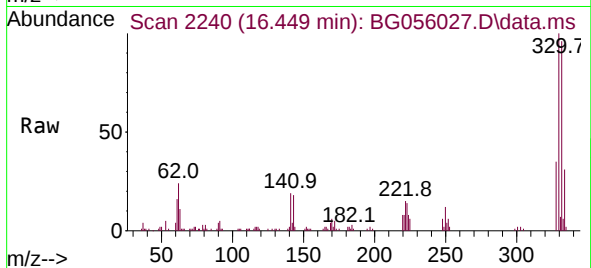
CL-01-141522

Tgt Ion:330 Resp: 54224
Ion Ratio Lower Upper
330 100
332 96.0 76.6 114.8
141 19.5 15.0 22.4

Manual Integrations

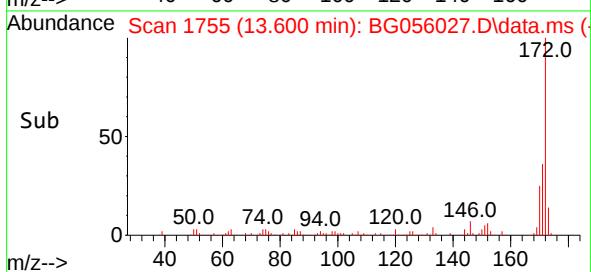
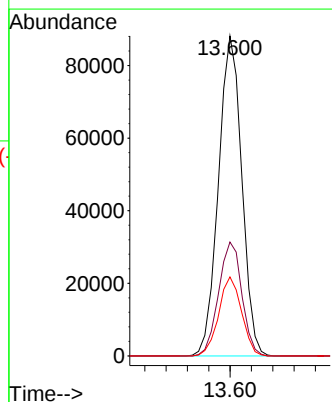
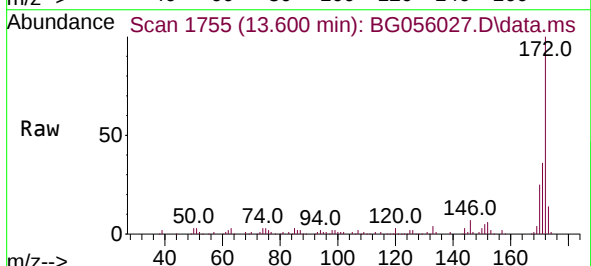
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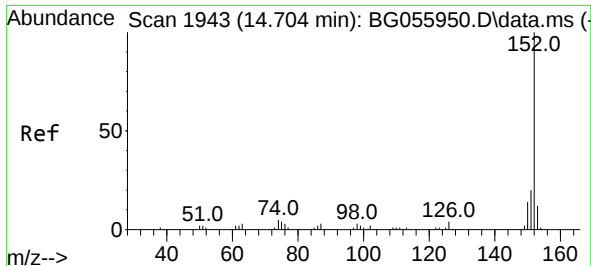
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#45
2-Fluorobiphenyl
Concen: 51.848 ng
RT: 13.600 min Scan# 1755
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

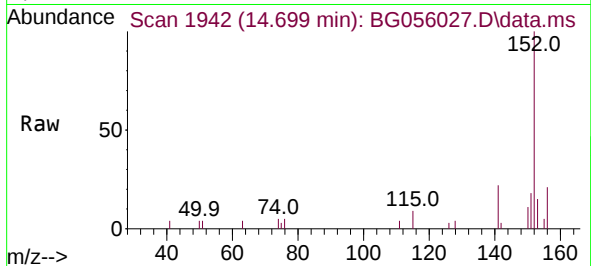
Tgt Ion:172 Resp: 134012
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.7 19.9 29.9





#49
Acenaphthylene
Concen: 3.558 ng
RT: 14.699 min Scan# 1942
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

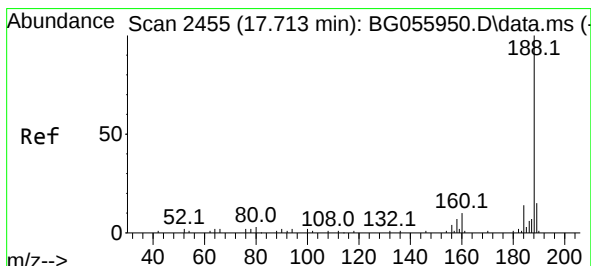
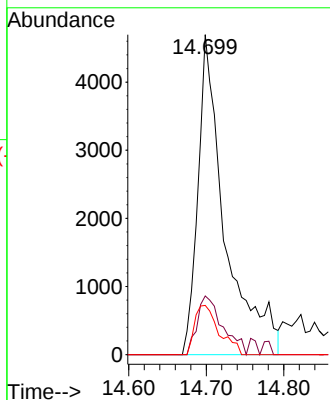
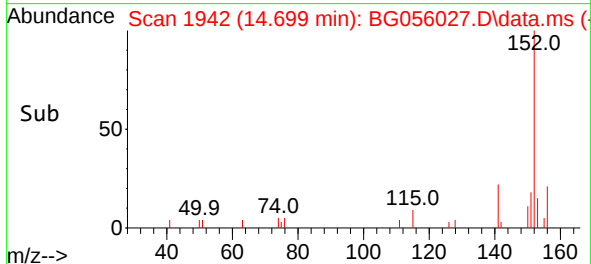
Instrument :
BNA_G
ClientSampleId :
CL-01-141522



Tgt Ion:152 Resp: 11338
Ion Ratio Lower Upper
152 100
151 18.3 15.8 23.8
153 15.4 10.0 15.0

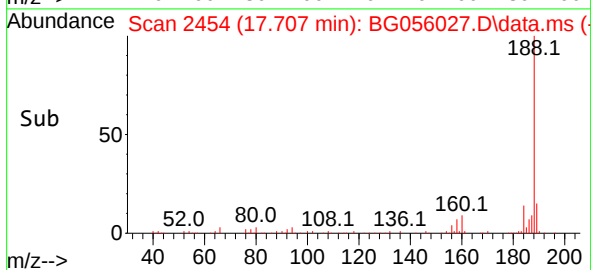
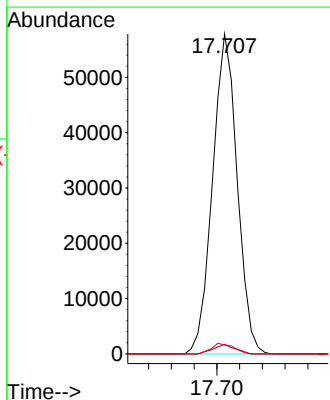
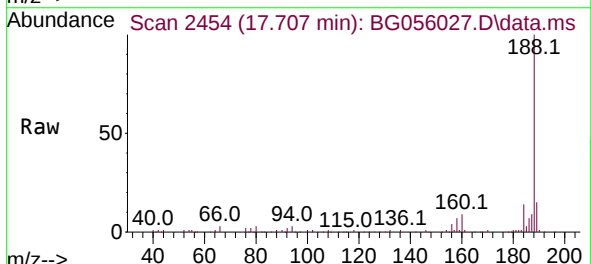
Manual Integrations
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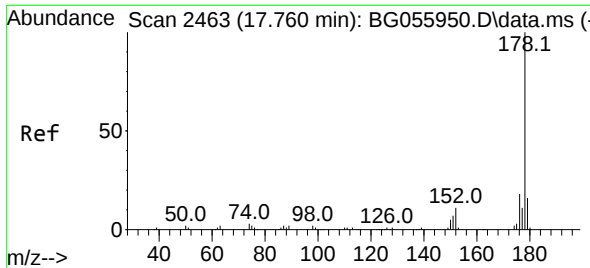
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2454
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

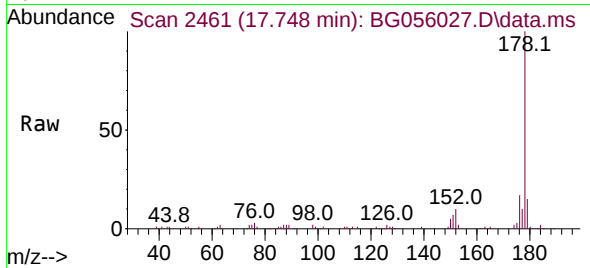
Tgt Ion:188 Resp: 86840
Ion Ratio Lower Upper
188 100
94 3.0 1.8 2.8
80 2.8 2.4 3.6





#71
Phenanthrene
Concen: 16.379 ng
RT: 17.748 min Scan# 2461
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

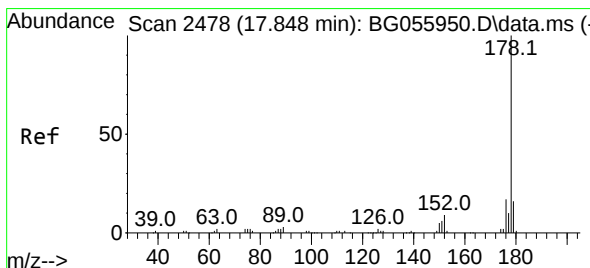
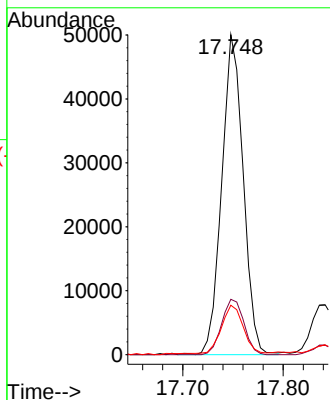
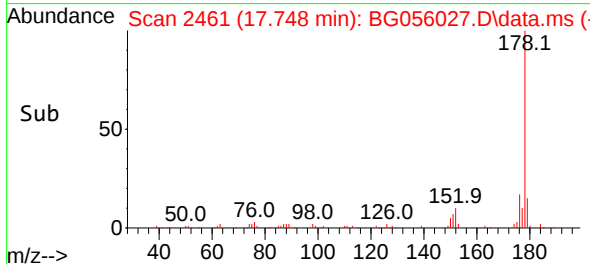
Instrument :
BNA_G
ClientSampleId :
CL-01-141522



Tgt Ion:178 Resp: 74540
Ion Ratio Lower Upper
178 100
176 17.3 14.4 21.6
179 15.4 12.7 19.1

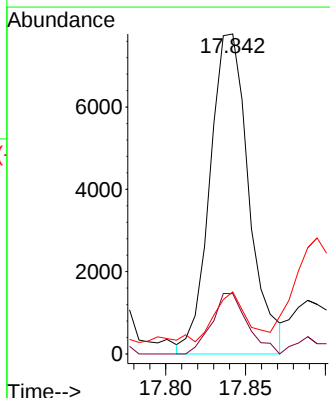
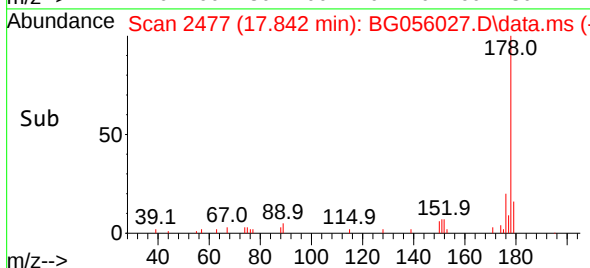
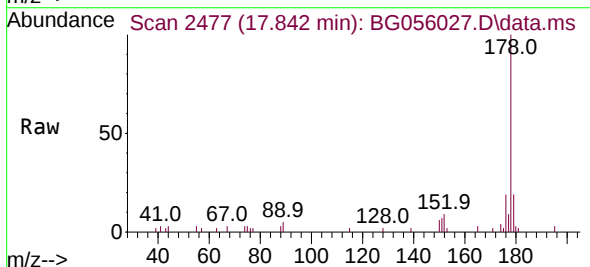
Manual Integrations
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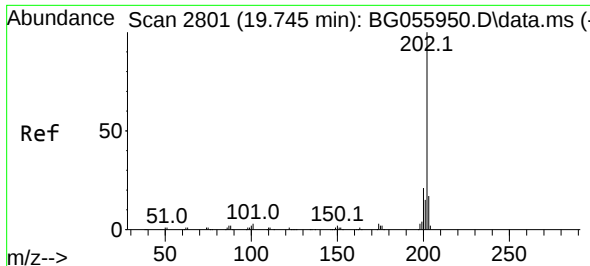
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#72
Anthracene
Concen: 2.940 ng m
RT: 17.842 min Scan# 2477
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

Tgt Ion:178 Resp: 13237
Ion Ratio Lower Upper
178 100
176 18.8 13.9 20.9
179 19.4 12.7 19.1#





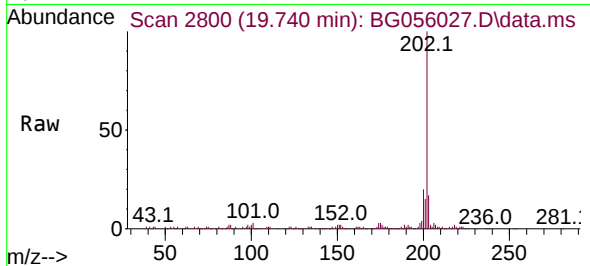
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Fluoranthene
Concen: 14.122 ng
RT: 19.740 min Scan# 2801
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

Instrument :

BNA_G

ClientSampleId :

CL-01-141522

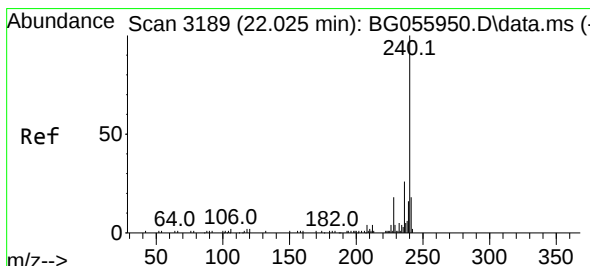
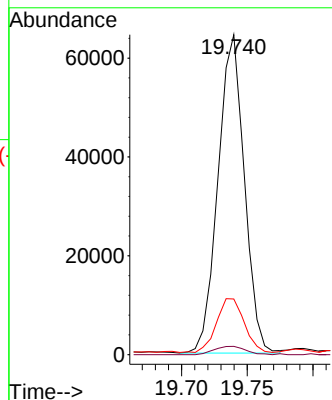
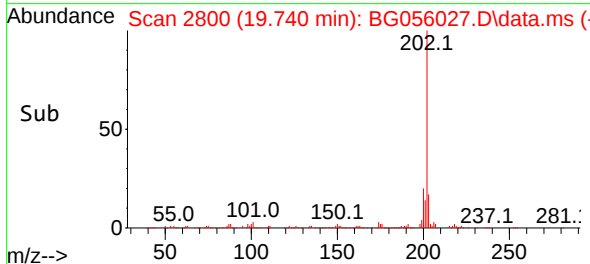


Tgt Ion:202 Resp: 89996
Ion Ratio Lower Upper
202 100
101 2.6 0.0 22.6
203 17.4 0.0 37.1

Manual Integrations

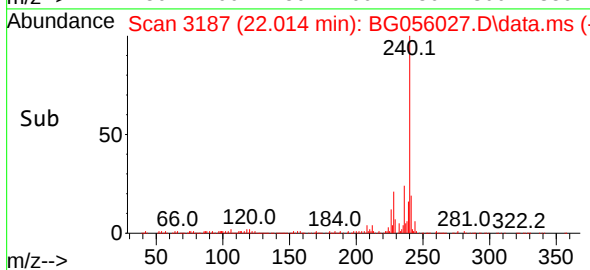
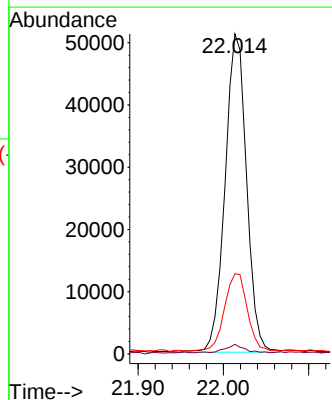
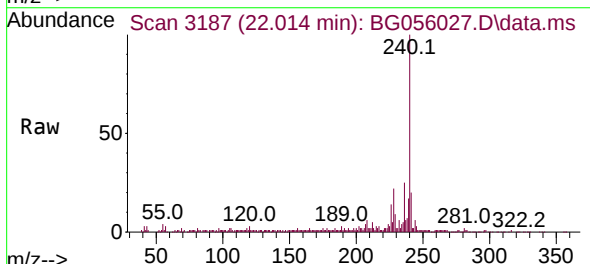
APPROVED

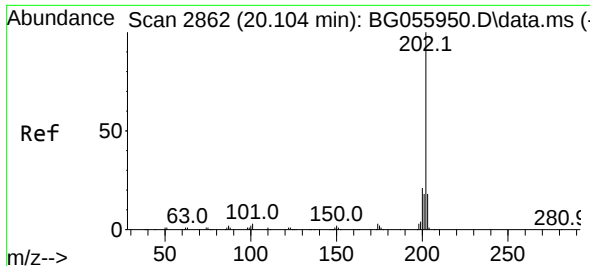
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.014 min Scan# 3187
Delta R.T. -0.017 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

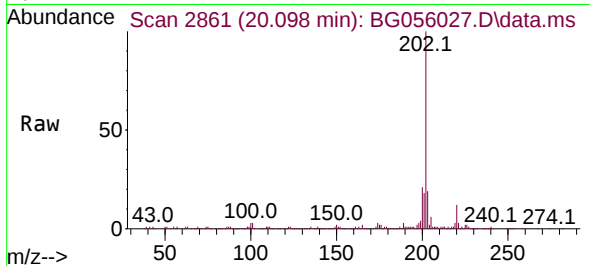
Tgt Ion:240 Resp: 89437
Ion Ratio Lower Upper
240 100
120 3.0 1.7 2.5#
236 25.1 21.1 31.7





#78
Pyrene
Concen: 27.620 ng
RT: 20.098 min Scan# 2861
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

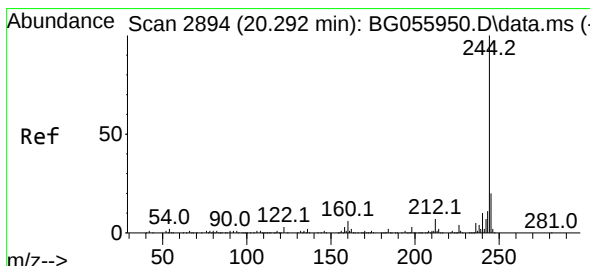
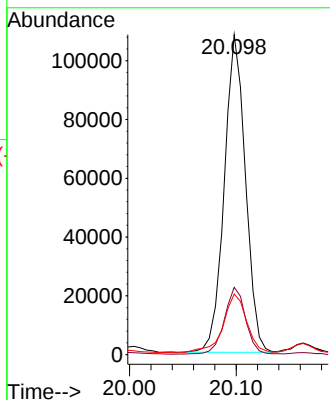
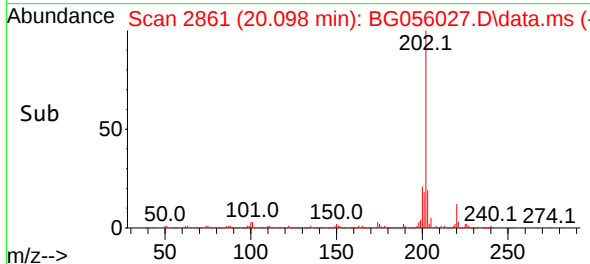
Instrument :
BNA_G
ClientSampleId :
CL-01-141522



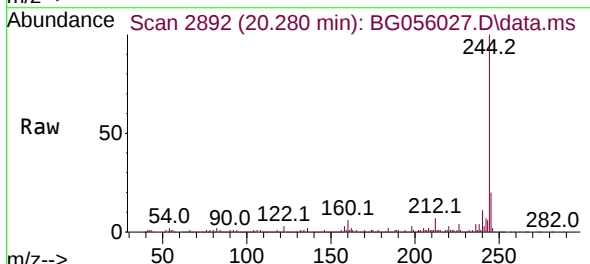
Tgt Ion:202 Resp: 149474
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 18.9 14.6 21.8

Manual Integrations
APPROVED

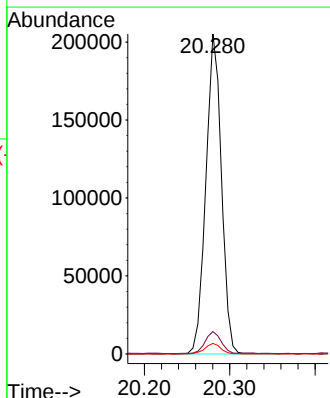
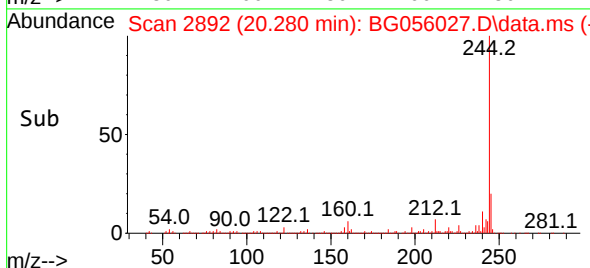
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

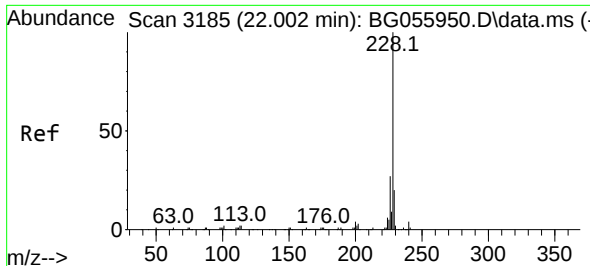


#79
Terphenyl-d14
Concen: 51.347 ng
RT: 20.280 min Scan# 2892
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58



Tgt Ion:244 Resp: 259838
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 3.3 2.5 3.7





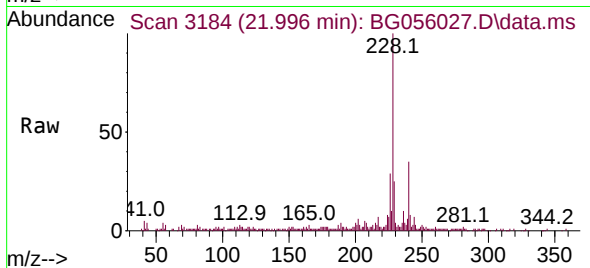
#81
Benzo(a)anthracene
Concen: 11.389 ng m
RT: 21.996 min Scan# 3184
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

Instrument :

BNA_G

ClientSampleId :

CL-01-141522

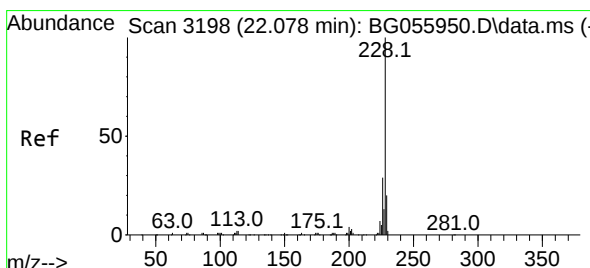
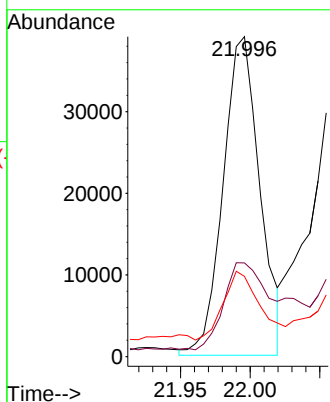
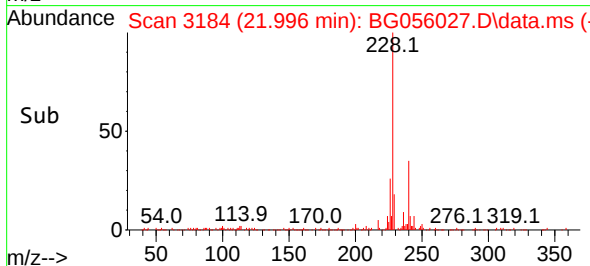


Tgt Ion:228 Resp: 71676
Ion Ratio Lower Upper
228 100
226 29.3 21.8 32.6
229 25.1 15.9 23.9

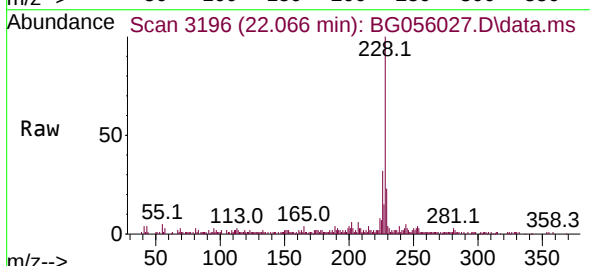
Manual Integrations

APPROVED

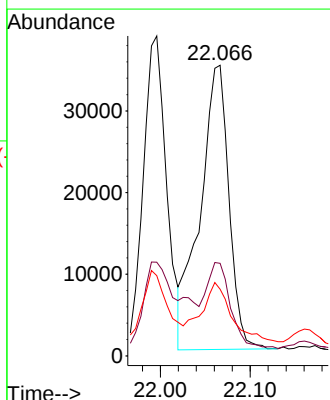
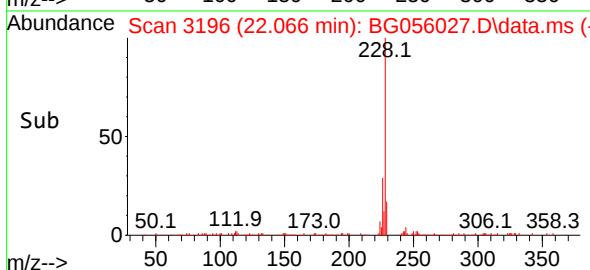
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

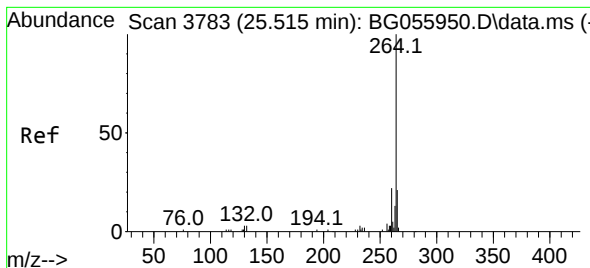


#83
Chrysene
Concen: 13.304 ng
RT: 22.066 min Scan# 3196
Delta R.T. -0.011 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58



Tgt Ion:228 Resp: 78473
Ion Ratio Lower Upper
228 100
226 31.8 23.1 34.7
229 22.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.515 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG056027.D

Acq: 20 Dec 2022 12:58

Instrument :

BNA_G

ClientSampleId :

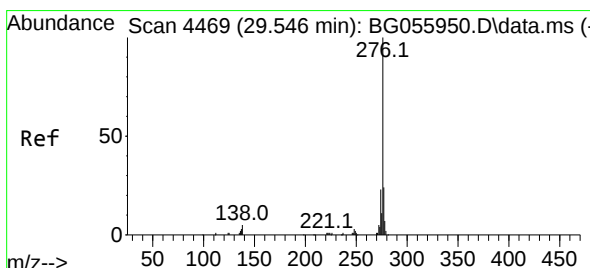
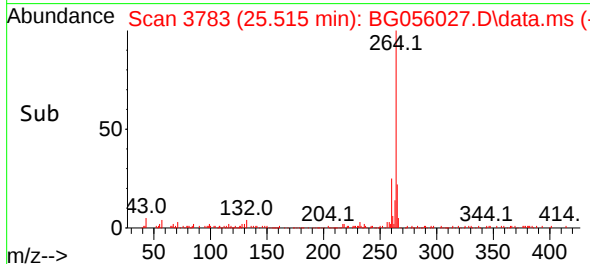
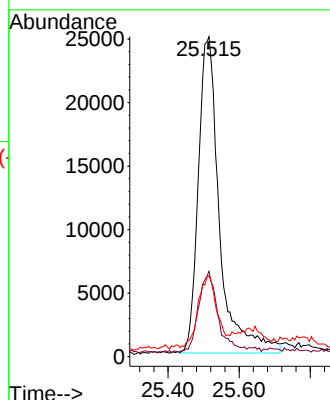
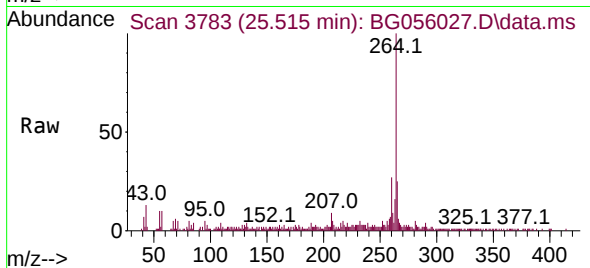
CL-01-141522

Tgt Ion:	264	Resp:	10300
Ion Ratio	Lower	Upper	
264	100		
260	26.6	17.8	26.8
265	25.3	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.538 ng

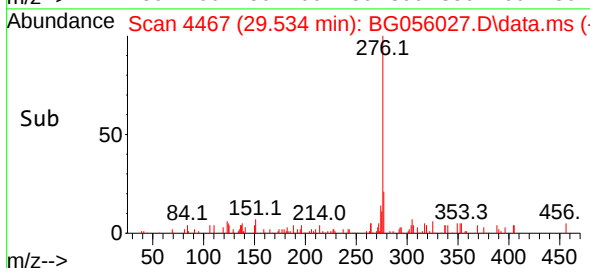
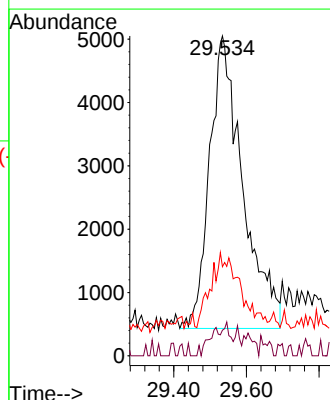
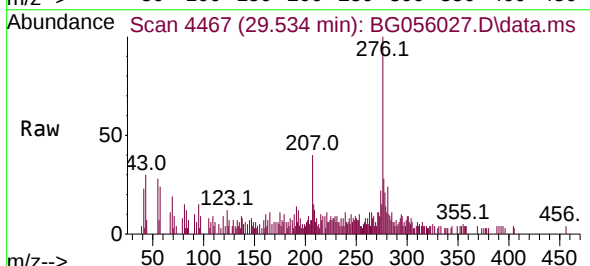
RT: 29.534 min Scan# 4467

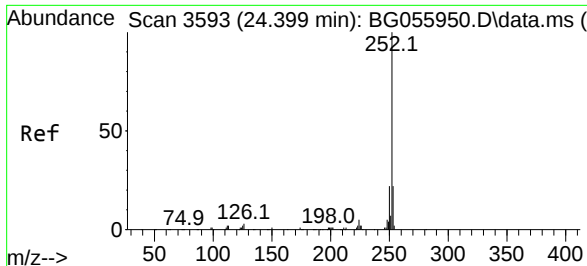
Delta R.T. -0.023 min

Lab File: BG056027.D

Acq: 20 Dec 2022 12:58

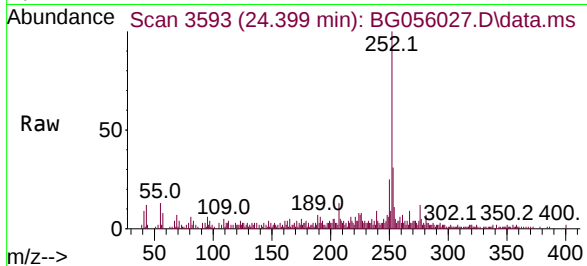
Tgt Ion:	276	Resp:	29304
Ion Ratio	Lower	Upper	
276	100		
138	2.3	3.0	4.4#
277	12.0	20.4	30.6#





#88
Benzo(b)fluoranthene
Concen: 10.434 ng m
RT: 24.399 min Scan# 3593
Delta R.T. -0.005 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

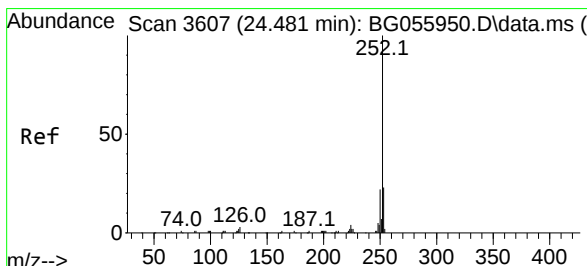
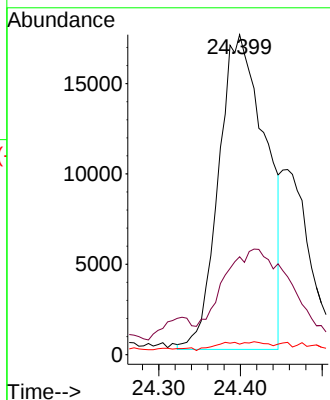
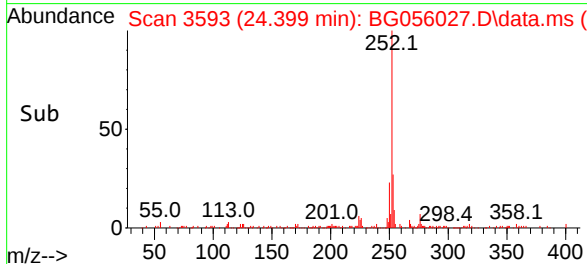
Instrument : BNA_G
ClientSampleId : CL-01-141522



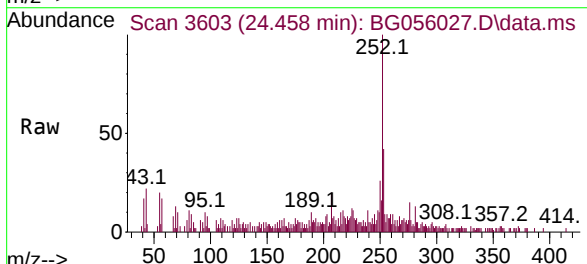
Tgt Ion:252 Resp: 69553
Ion Ratio Lower Upper
252 100
253 30.6 17.4 26.0#
125 3.3 1.8 2.8#

Manual Integrations
APPROVED

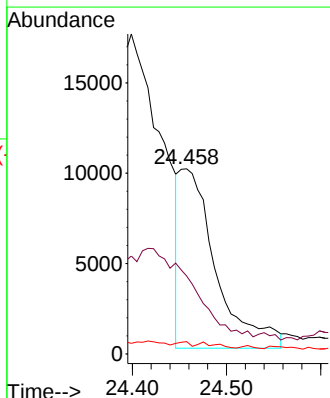
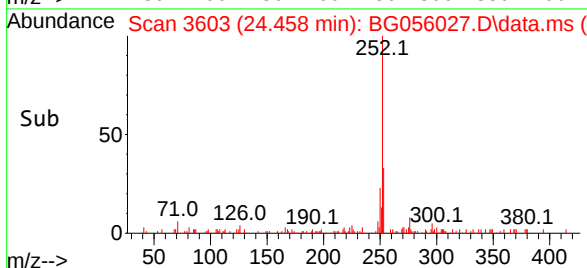
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

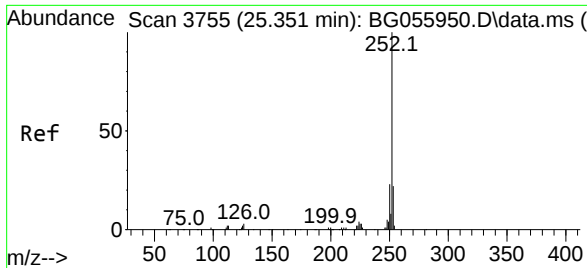


#89
Benzo(k)fluoranthene
Concen: 4.016 ng m
RT: 24.458 min Scan# 3603
Delta R.T. -0.028 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58



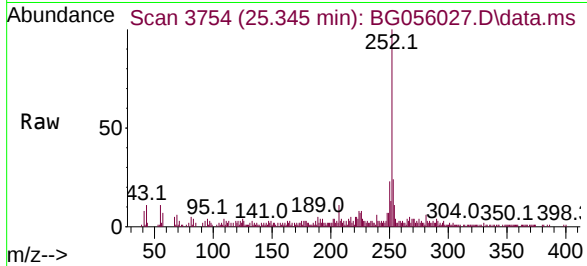
Tgt Ion:252 Resp: 26707
Ion Ratio Lower Upper
252 100
253 42.1 18.2 27.2#
125 6.7 2.0 3.0#





#90
Benzo(a)pyrene
Concen: 11.259 ng
RT: 25.345 min Scan# 3754
Delta R.T. -0.017 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58

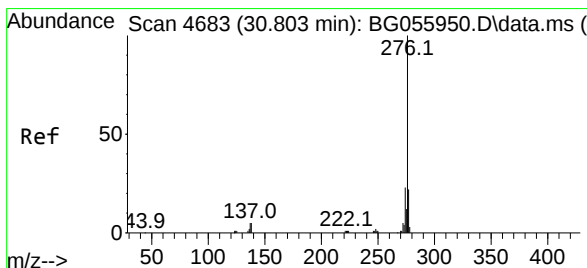
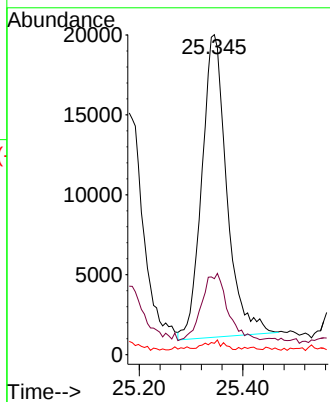
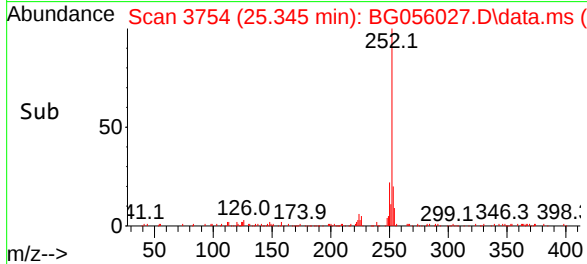
Instrument :
BNA_G
ClientSampleId :
CL-01-141522



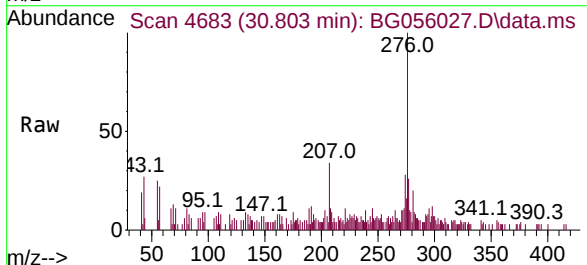
Tgt Ion:252 Resp: 63440
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 3.5 1.9 2.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#92
Benzo(g,h,i)perylene
Concen: 4.466 ng
RT: 30.803 min Scan# 4683
Delta R.T. -0.028 min
Lab File: BG056027.D
Acq: 20 Dec 2022 12:58



Tgt Ion:276 Resp: 29936
Ion Ratio Lower Upper
276 100
277 26.2 17.8 26.6
138 4.9 3.8 5.6

