

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055982.D
 Acq On : 15 Dec 2022 18:29
 Operator : CG/JU
 Sample : N6037-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-16-(2.5-4.5)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

Quant Time: Dec 16 04:05:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.375	152	9951	20.000	ng	0.00
21) Naphthalene-d8	11.207	136	36911	20.000	ng	# 0.00
39) Acenaphthene-d10	14.979	164	29872	20.000	ng	0.00
64) Phenanthrene-d10	17.717	188	72055	20.000	ng	0.00
76) Chrysene-d12	22.030	240	74671	20.000	ng	0.00
86) Perylene-d12	25.531	264	90378	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.890	112	43803	103.232	ng	0.00
7) Phenol-d6	7.505	99	54450	99.774	ng	0.01
23) Nitrobenzene-d5	9.544	82	36709	69.500	ng	0.00
42) 2,4,6-Tribromophenol	16.460	330	60839	84.463	ng	0.00
45) 2-Fluorobiphenyl	13.610	172	133718	62.780	ng	0.00
79) Terphenyl-d14	20.291	244	261249	61.835	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.260	128	6886	3.536	ng	# 95
37) 2-Methylnaphthalene	12.835	142	13832	8.039	ng	98
38) 1-Methylnaphthalene	13.052	142	11913	7.107	ng	99
52) Acenaphthene	15.044	154	14936	8.472	ng	97
55) Dibenzofuran	15.373	168	7036	2.373	ng	# 88
58) Fluorene	16.019	166	15420	6.363	ng	# 99
71) Phenanthrene	17.764	178	277648	73.529	ng	99
72) Anthracene	17.852	178	36665	9.815	ng	97
75) Fluoranthene	19.750	202	175302	33.153	ng	100
78) Pyrene	20.108	202	239177	52.934	ng	99
81) Benzo(a)anthracene	22.006	228	107605	20.479	ng	100
83) Chrysene	22.077	228	100007	20.308	ng	97
87) Indeno(1,2,3-cd)pyrene	29.574	276	34889	4.801	ng	# 90
88) Benzo(b)fluoranthene	24.409	252	89135	15.239	ng	# 95
89) Benzo(k)fluoranthene	24.474	252	31365m	5.375	ng	
90) Benzo(a)pyrene	25.361	252	69824	14.122	ng	99
92) Benzo(g,h,i)perylene	30.837	276	32586m	5.541	ng	

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

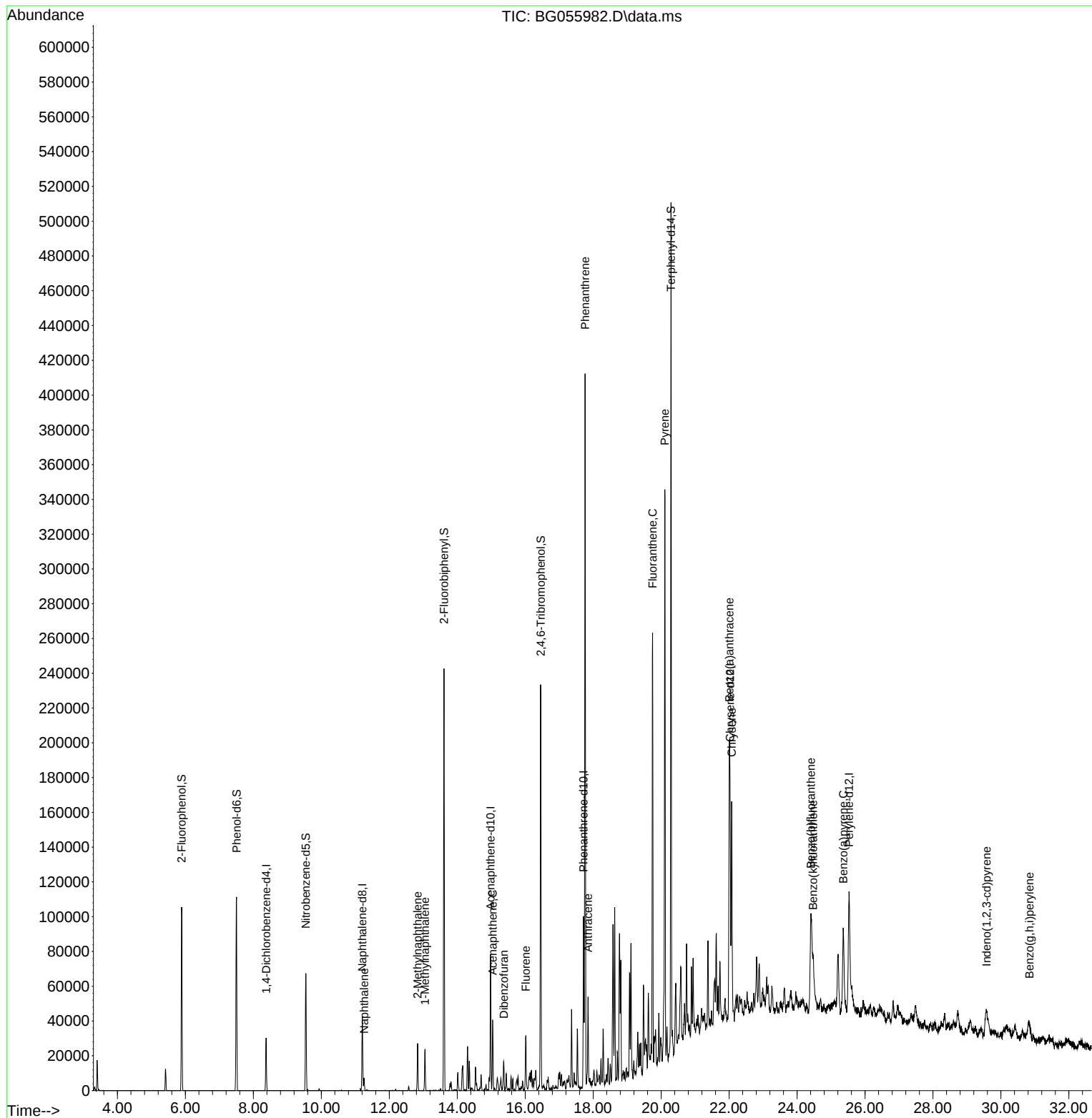
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
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ALS Vial : 10 Sample Multiplier: 1

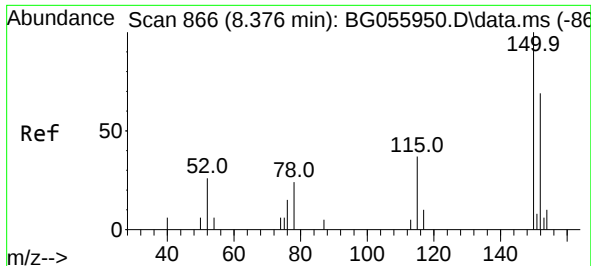
Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Time: Dec 16 04:05:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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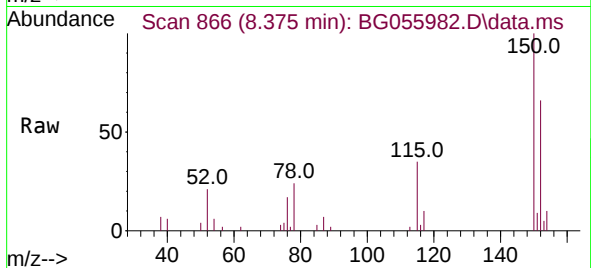
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.375 min Scan# 866
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

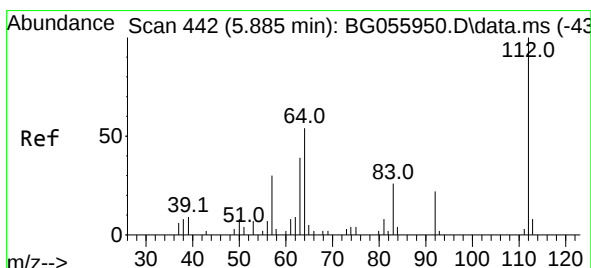
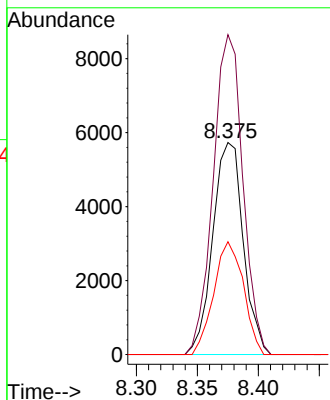
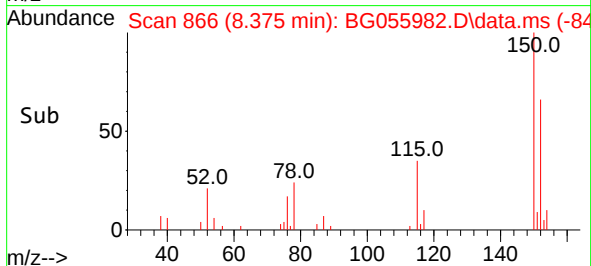
Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)



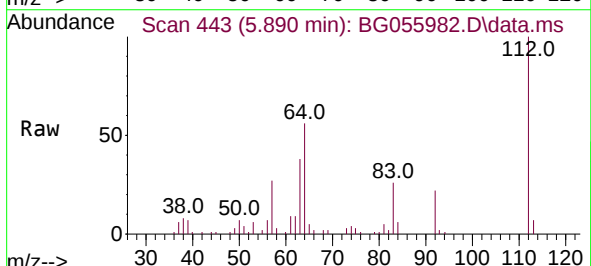
Tgt Ion:152 Resp: 995
Ion Ratio Lower Upper
152 100
150 150.9 115.7 173.5
115 53.2 43.0 64.4

Manual Integrations
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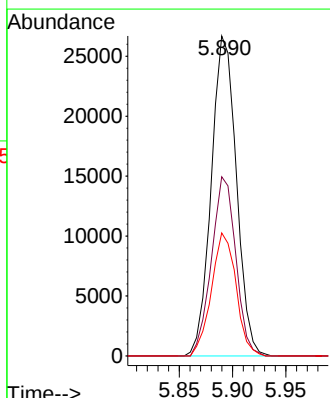
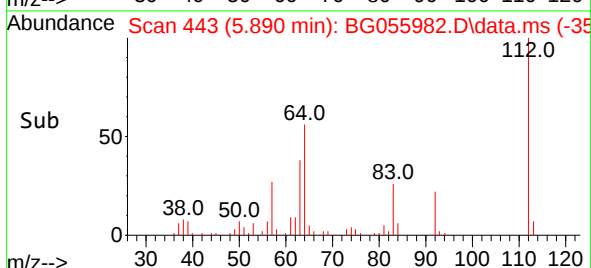
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

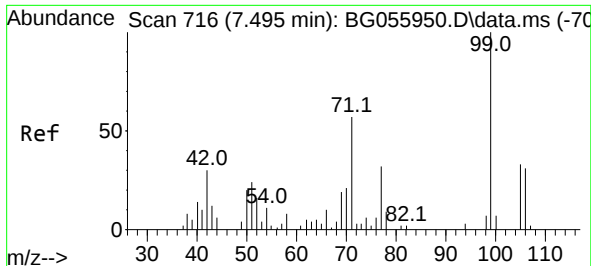


#5
2-Fluorophenol
Concen: 103.232 ng
RT: 5.890 min Scan# 443
Delta R.T. 0.005 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29



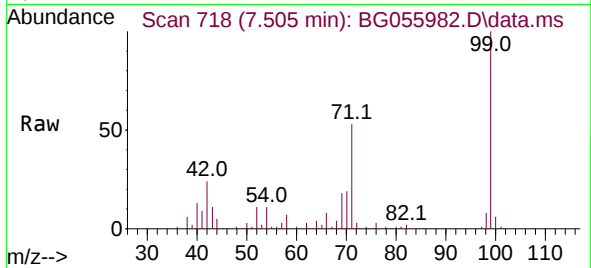
Tgt Ion:112 Resp: 43803
Ion Ratio Lower Upper
112 100
64 56.0 43.0 64.4
63 38.4 31.4 47.2





#7
Phenol-d6
Concen: 99.774 ng
RT: 7.505 min Scan# 716
Delta R.T. 0.010 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

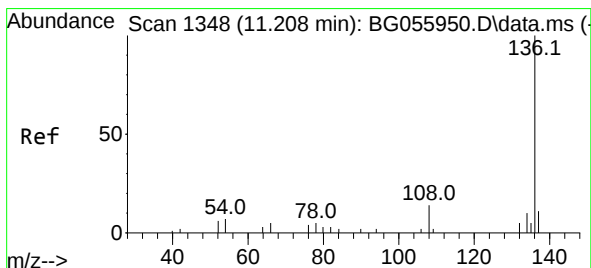
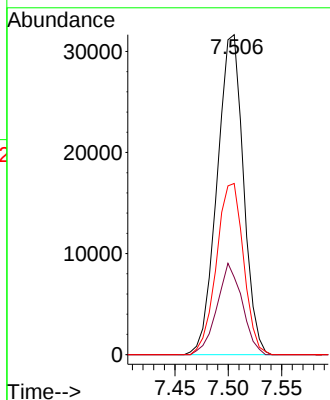
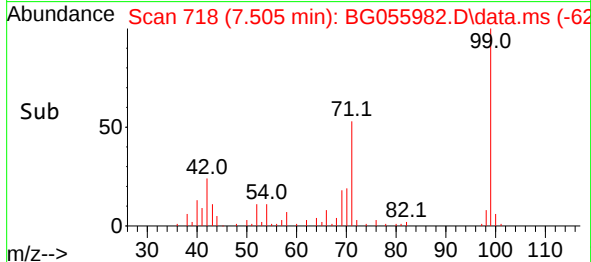
Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)



Tgt Ion: 99 Resp: 54450
Ion Ratio Lower Upper
99 100
42 24.2 24.3 36.5
71 53.5 45.6 68.4

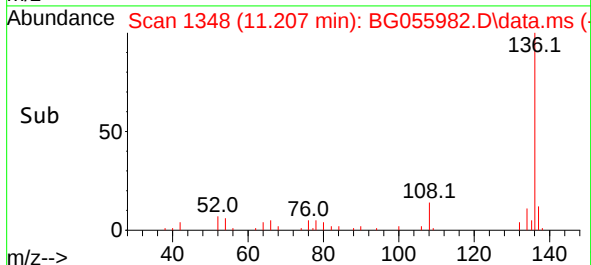
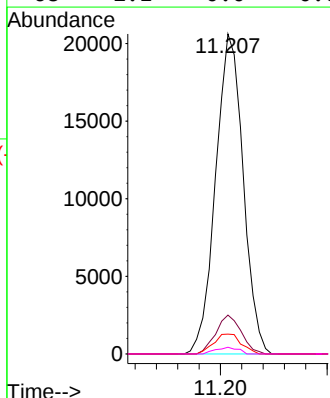
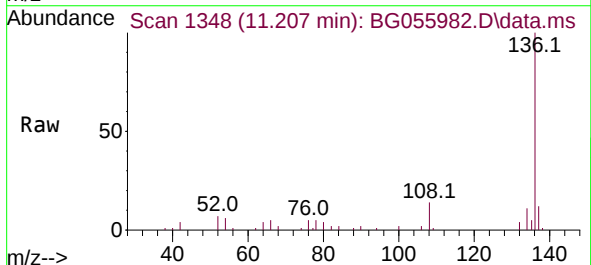
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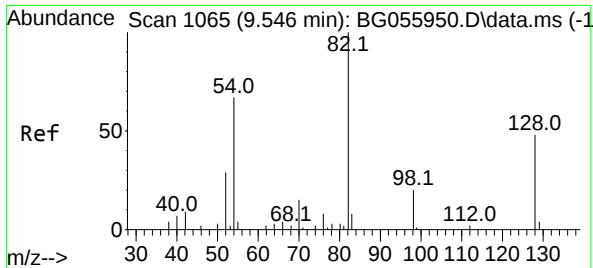
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.207 min Scan# 1348
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

Tgt Ion:136 Resp: 36911
Ion Ratio Lower Upper
136 100
137 12.1 9.2 13.8
54 6.2 5.6 8.4
68 2.1 0.0 0.0





#23
Nitrobenzene-d5
Concen: 69.500 ng
RT: 9.544 min Scan# 1065
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

Instrument :

BNA_G

ClientSampleId :

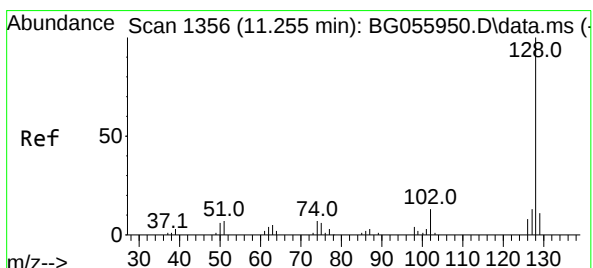
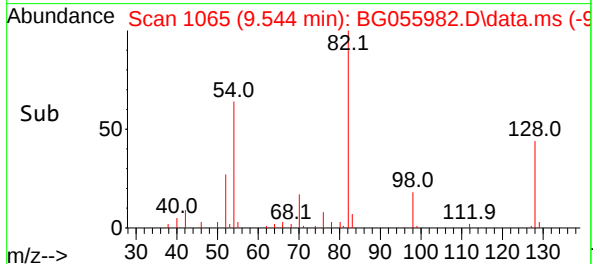
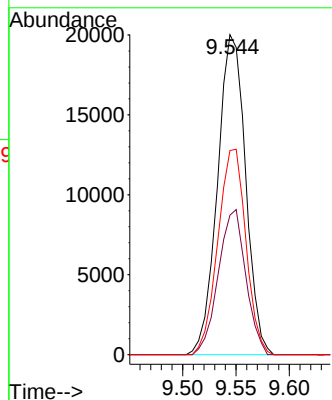
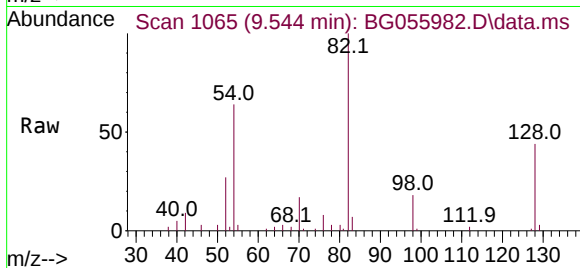
RB-16-(2.5-4.5)

Tgt Ion: 82 Resp: 36709
Ion Ratio Lower Upper
82 100
128 43.6 38.4 57.6
54 63.8 53.3 79.9

Manual Integrations

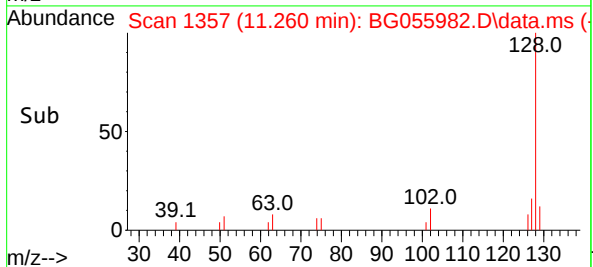
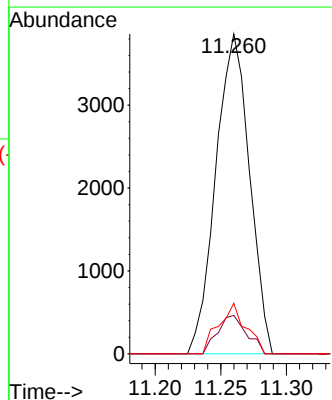
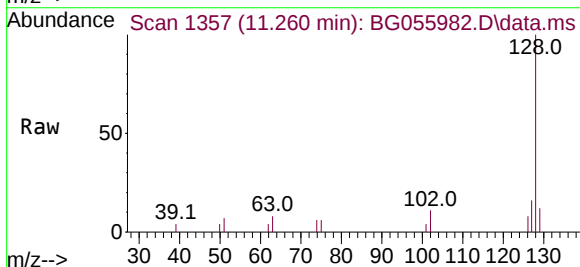
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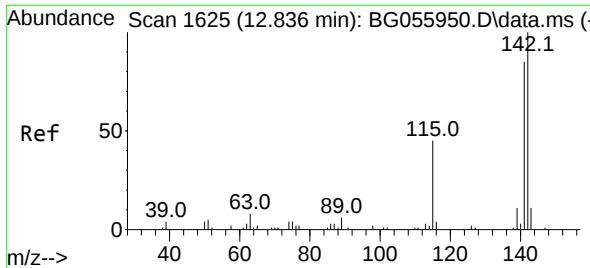
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#31
Naphthalene
Concen: 3.536 ng
RT: 11.260 min Scan# 1357
Delta R.T. 0.005 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

Tgt Ion:128 Resp: 6886
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 15.8 10.3 15.5#





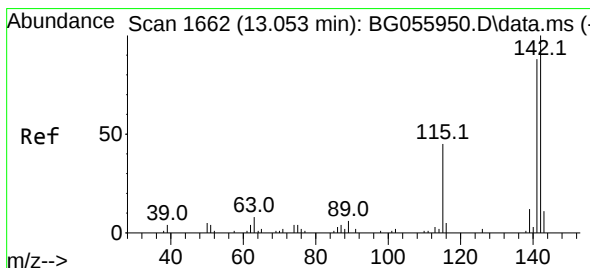
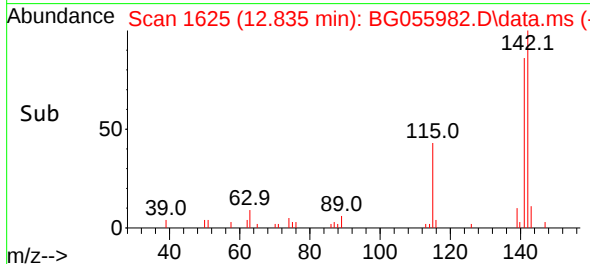
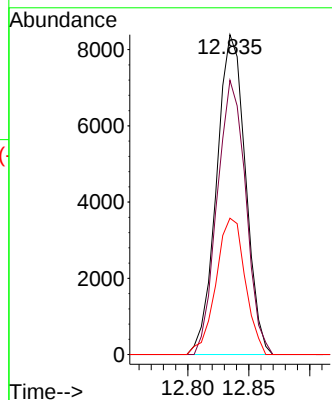
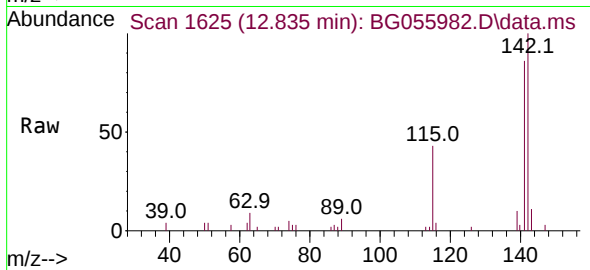
#37
2-Methylnaphthalene
Concen: 8.039 ng
RT: 12.835 min Scan# 1625
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Tgt Ion:142 Resp: 13832
Ion Ratio Lower Upper
142 100
141 85.7 67.8 101.6
115 42.6 35.7 53.5

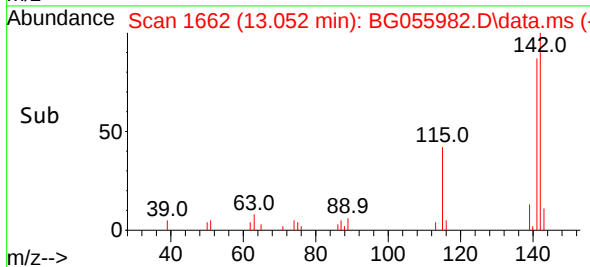
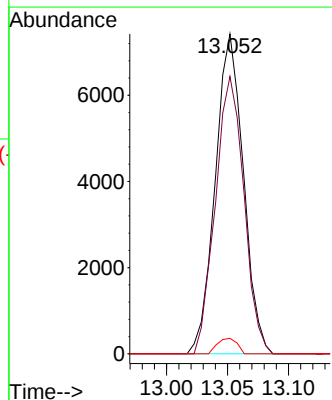
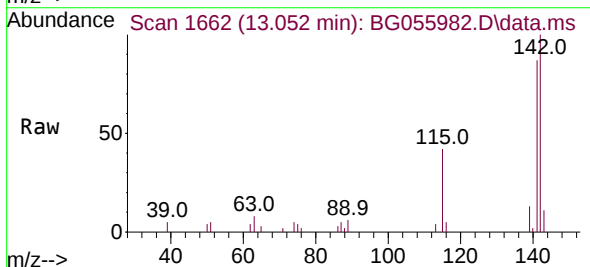
Manual Integrations
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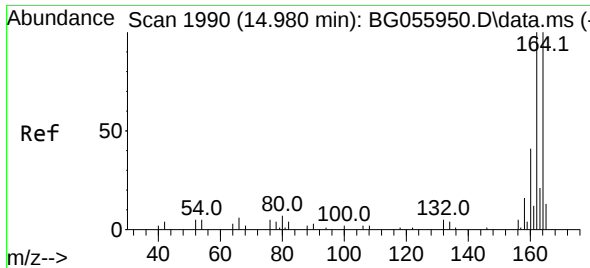
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#38
1-Methylnaphthalene
Concen: 7.107 ng
RT: 13.052 min Scan# 1662
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

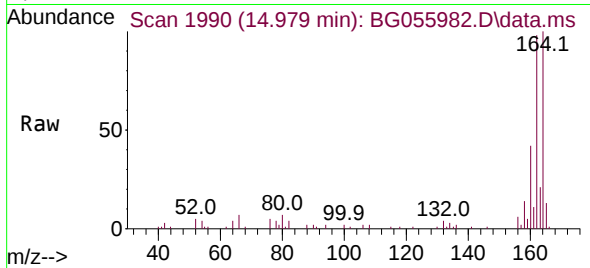
Tgt Ion:142 Resp: 11913
Ion Ratio Lower Upper
142 100
141 86.7 70.2 105.2
116 4.9 3.8 5.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.979 min Scan# 1990
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

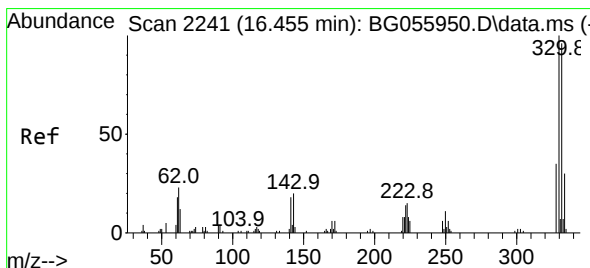
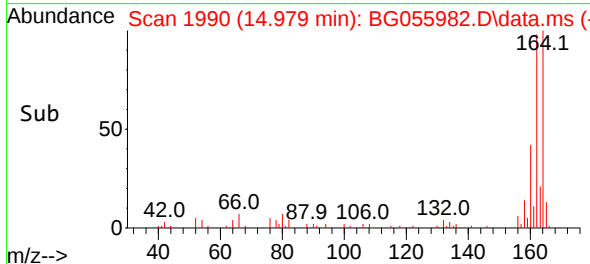
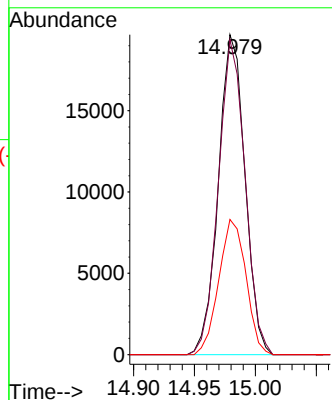
Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)



Tgt Ion:164 Resp: 29872
Ion Ratio Lower Upper
164 100
162 98.4 79.8 119.8
160 42.2 33.0 49.4

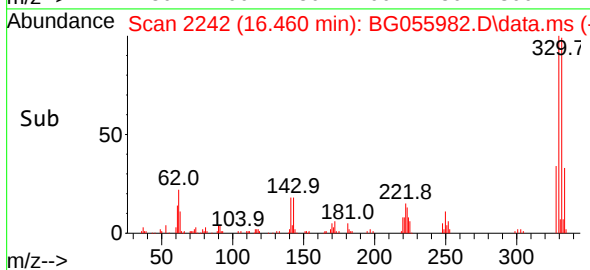
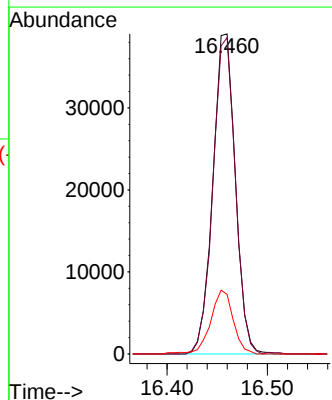
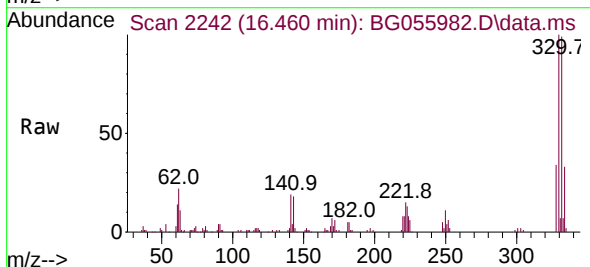
Manual Integrations
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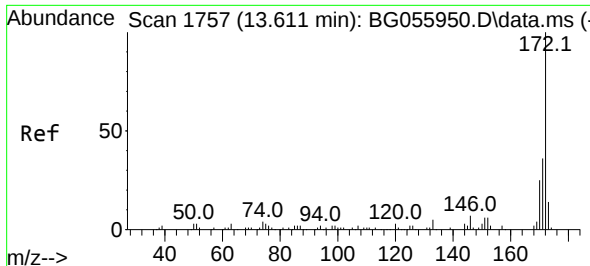
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#42
2,4,6-Tribromophenol
Concen: 84.463 ng
RT: 16.460 min Scan# 2242
Delta R.T. 0.005 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

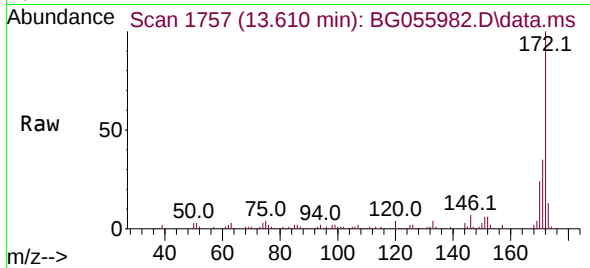
Tgt Ion:330 Resp: 60839
Ion Ratio Lower Upper
330 100
332 98.2 76.6 114.8
141 20.0 15.0 22.4





#45
2-Fluorobiphenyl
Concen: 62.780 ng
RT: 13.610 min Scan# 1757
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

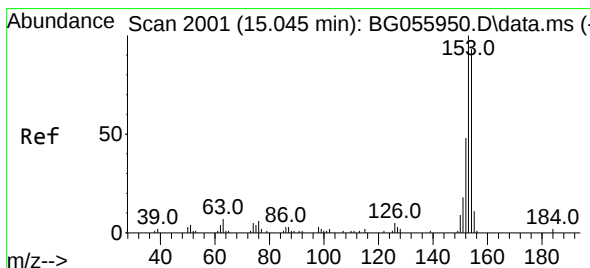
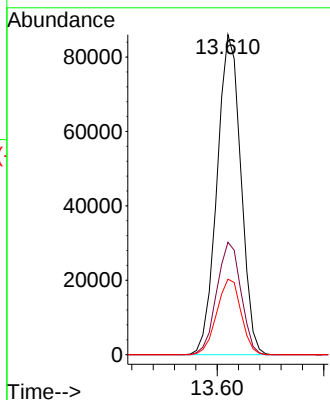
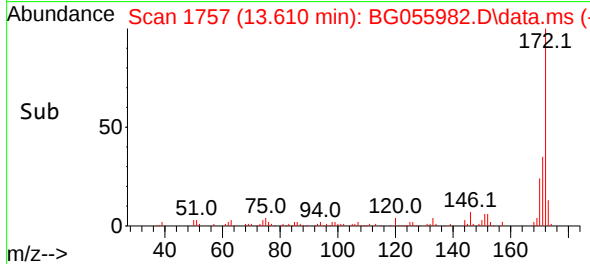
Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)



Tgt Ion:172 Resp: 133718
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.6 19.9 29.9

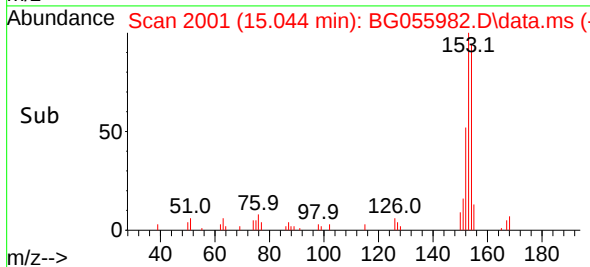
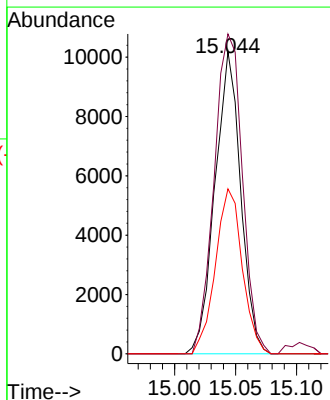
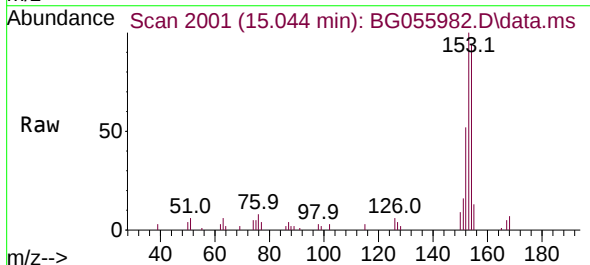
Manual Integrations
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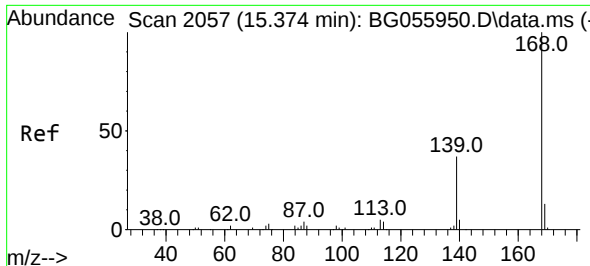
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#52
Acenaphthene
Concen: 8.472 ng
RT: 15.044 min Scan# 2001
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

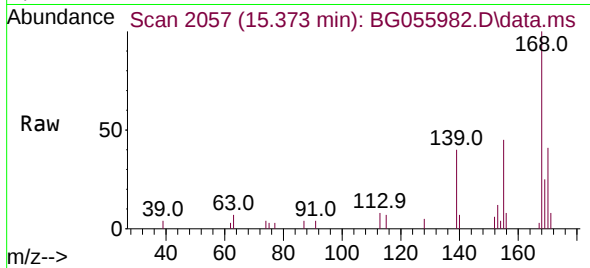
Tgt Ion:154 Resp: 14936
Ion Ratio Lower Upper
154 100
153 105.9 86.2 129.2
152 54.6 41.4 62.0





#55
Dibenzenofuran
Concen: 2.373 ng
RT: 15.373 min Scan# 2057
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

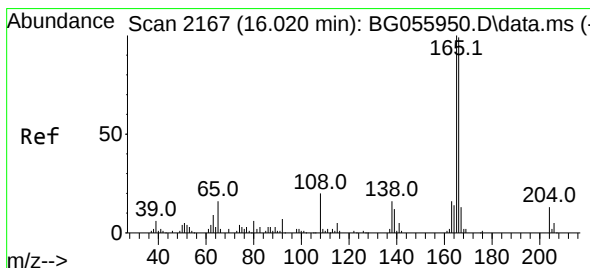
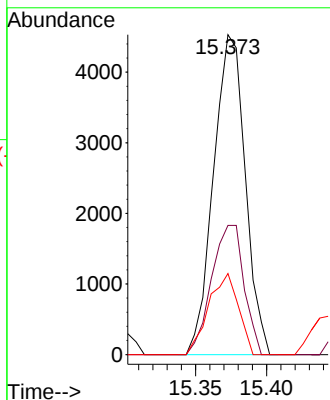
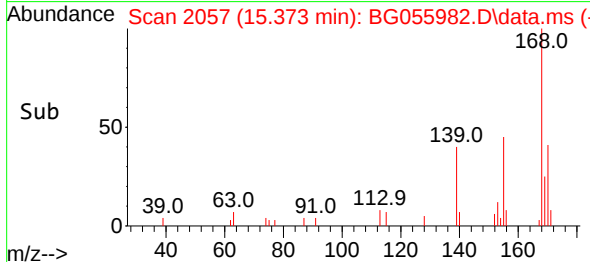
Instrument :
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RB-16-(2.5-4.5)



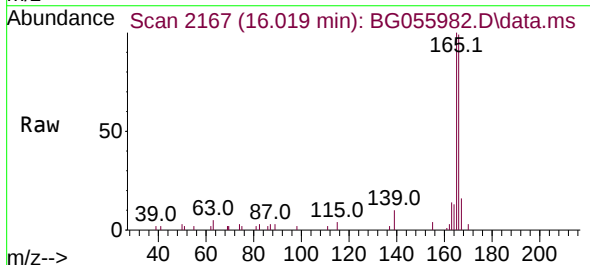
Tgt Ion:168 Resp: 7036
Ion Ratio Lower Upper
168 100
139 40.4 29.8 44.8
169 25.3 10.6 16.0

Manual Integrations
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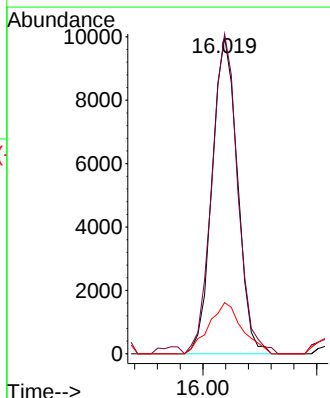
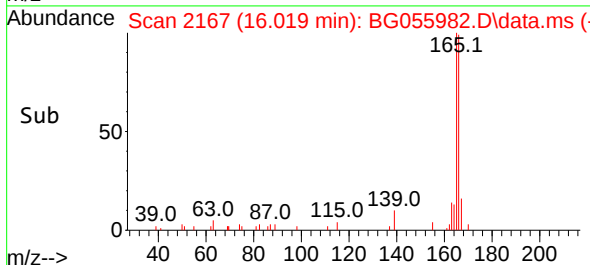
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

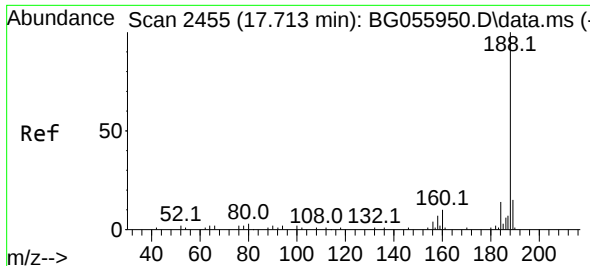


#58
Fluorene
Concen: 6.363 ng
RT: 16.019 min Scan# 2167
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29



Tgt Ion:166 Resp: 15420
Ion Ratio Lower Upper
166 100
165 100.9 81.1 121.7
167 16.2 10.5 15.7





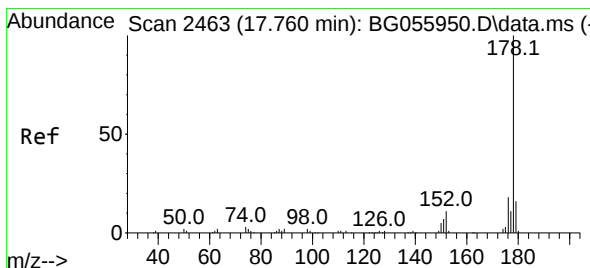
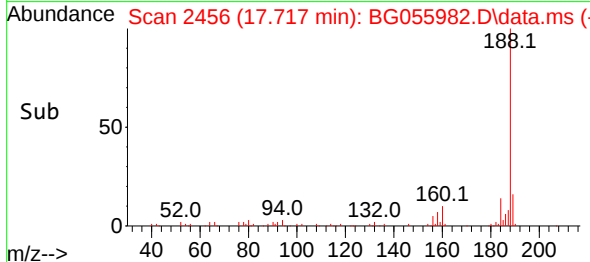
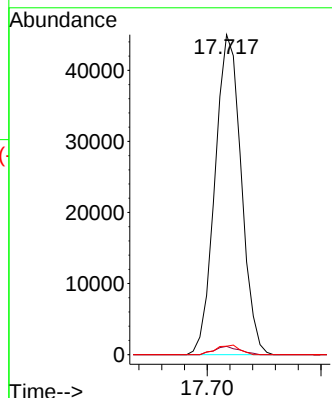
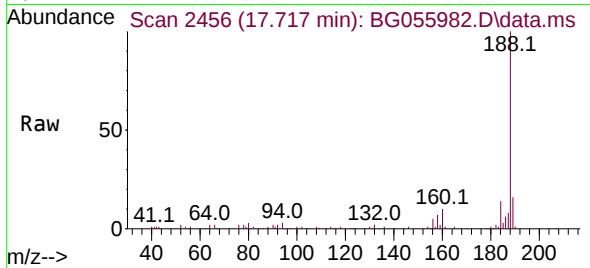
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.717 min Scan# 2455
Delta R.T. 0.005 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Tgt Ion:188 Resp: 72055
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.6 2.4 3.6

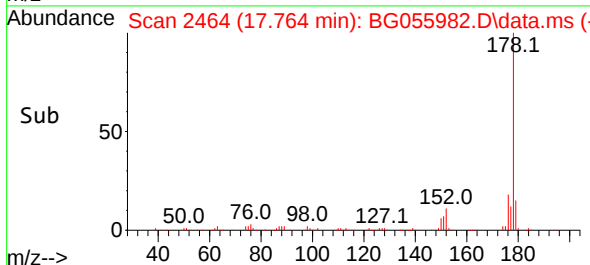
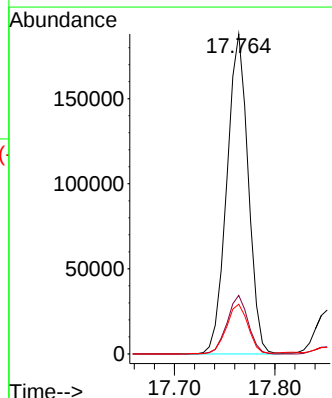
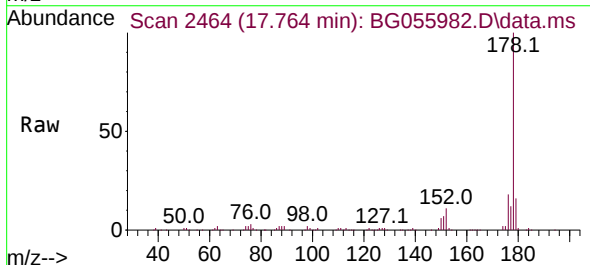
Manual Integrations
APPROVED

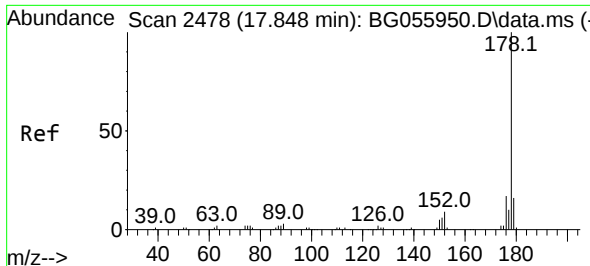
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#71
Phenanthrene
Concen: 73.529 ng
RT: 17.764 min Scan# 2464
Delta R.T. 0.005 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

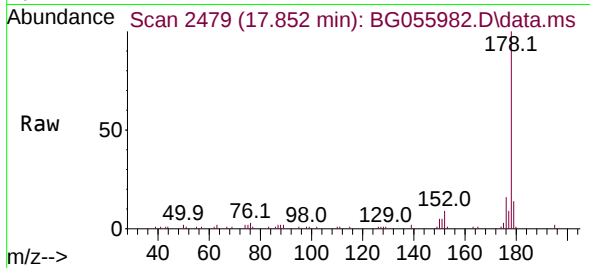
Tgt Ion:178 Resp: 277648
Ion Ratio Lower Upper
178 100
176 18.3 14.4 21.6
179 15.5 12.7 19.1





#72
 Anthracene
 Concen: 9.815 ng
 RT: 17.852 min Scan# 2478
 Delta R.T. 0.005 min
 Lab File: BG055982.D
 Acq: 15 Dec 2022 18:29

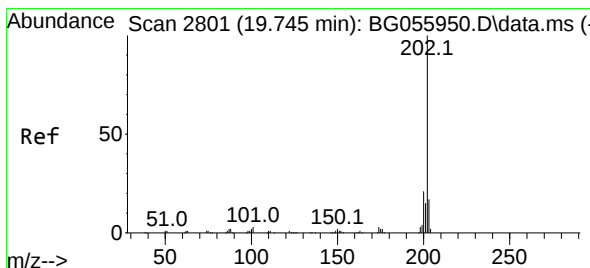
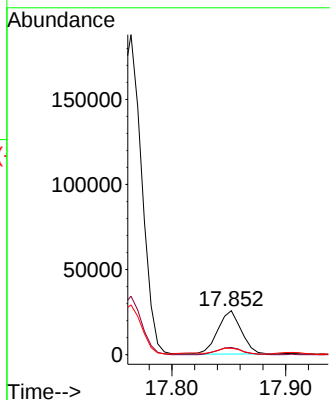
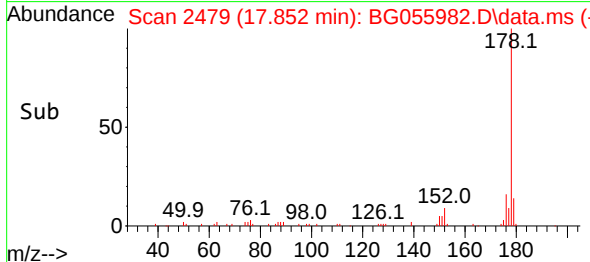
Instrument :
 BNA_G
 ClientSampleId :
 RB-16-(2.5-4.5)



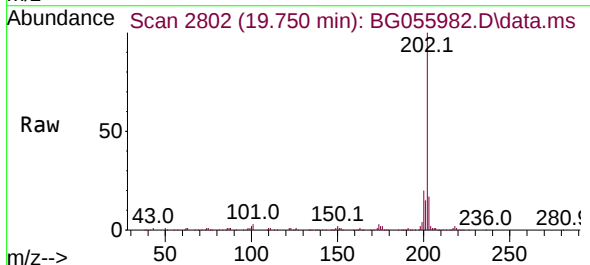
Tgt Ion:178 Resp: 36665
 Ion Ratio Lower Upper
 178 100
 176 16.2 13.9 20.9
 179 14.5 12.7 19.1

Manual Integrations
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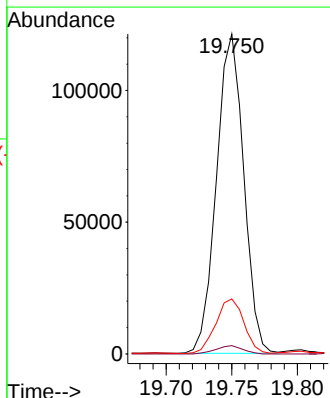
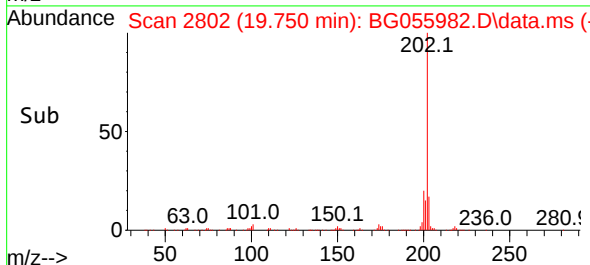
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

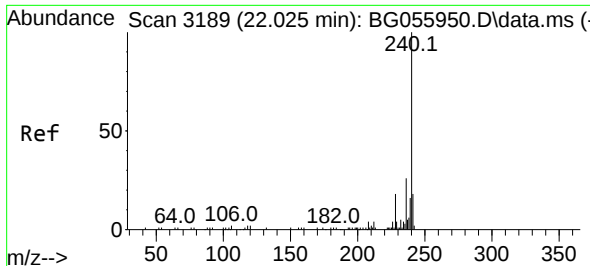


#75
 Fluoranthene
 Concen: 33.153 ng
 RT: 19.750 min Scan# 2802
 Delta R.T. 0.005 min
 Lab File: BG055982.D
 Acq: 15 Dec 2022 18:29



Tgt Ion:202 Resp: 175302
 Ion Ratio Lower Upper
 202 100
 101 2.6 0.0 22.6
 203 17.2 0.0 37.1





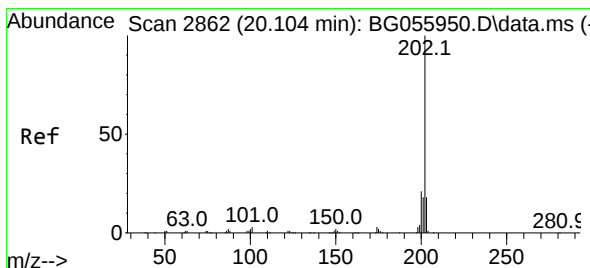
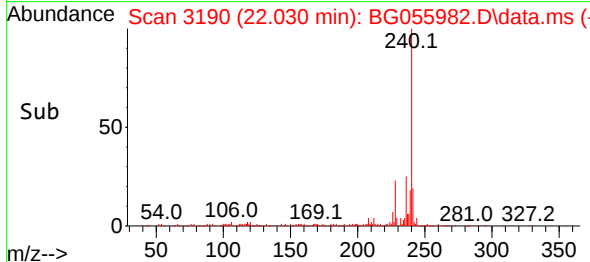
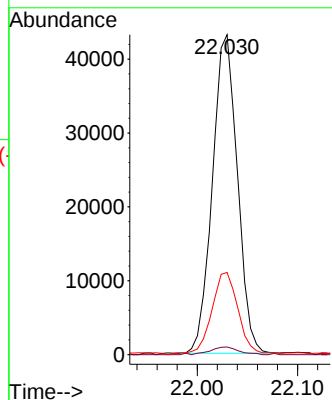
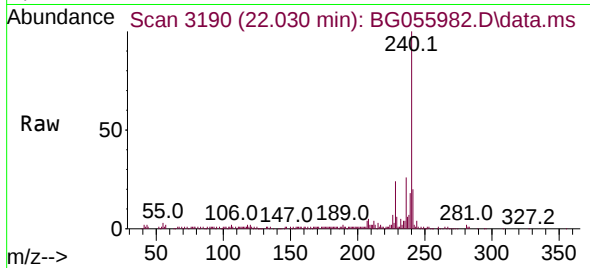
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.030 min Scan# 3189
Delta R.T. 0.005 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Tgt Ion:240 Resp: 7467
Ion Ratio Lower Upper
240 100
120 2.4 1.7 2.5
236 25.7 21.1 31.7

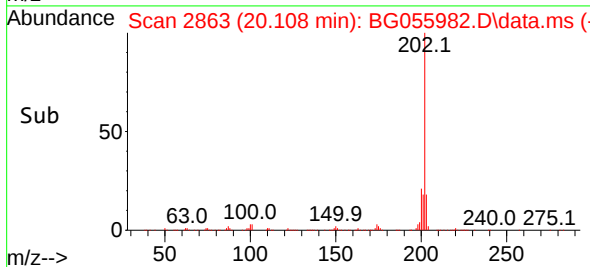
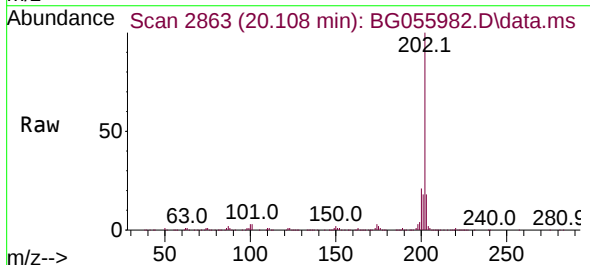
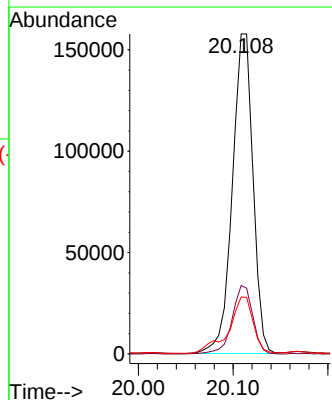
Manual Integrations
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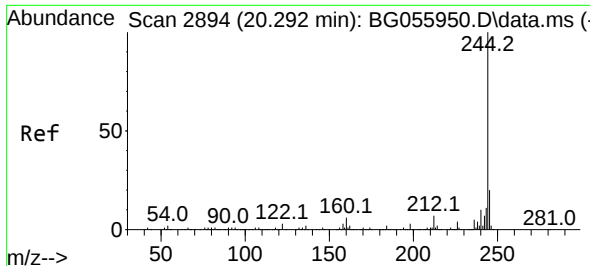
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#78
Pyrene
Concen: 52.934 ng
RT: 20.108 min Scan# 2863
Delta R.T. 0.005 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

Tgt Ion:202 Resp: 239177
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 17.8 14.6 21.8





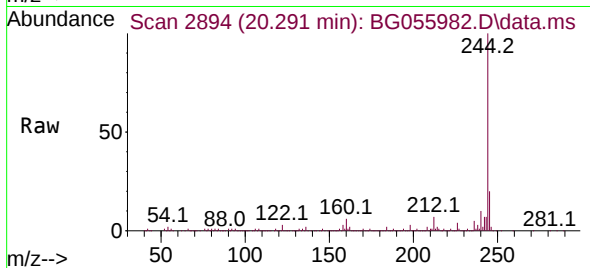
#79
 Terphenyl-d14
 Concen: 61.835 ng
 RT: 20.291 min Scan# 2894
 Delta R.T. -0.001 min
 Lab File: BG055982.D
 Acq: 15 Dec 2022 18:29

Instrument :

BNA_G

ClientSampleId :

RB-16-(2.5-4.5)

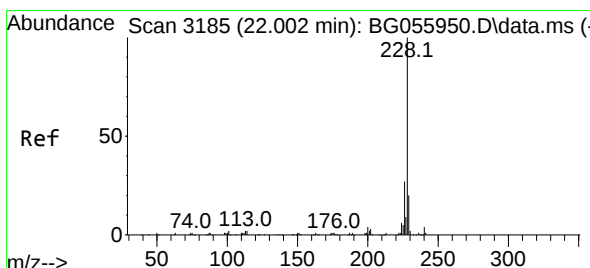
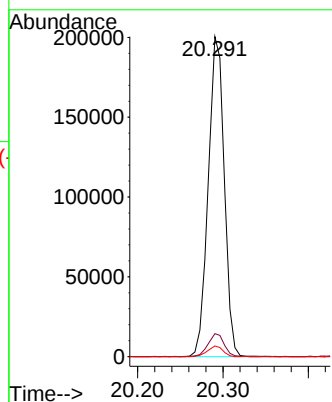
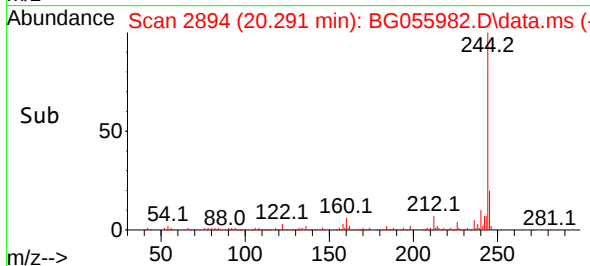


Tgt Ion:244 Resp: 261249
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 3.3 2.5 3.7

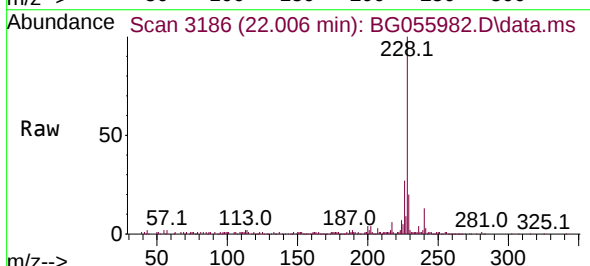
Manual Integrations

APPROVED

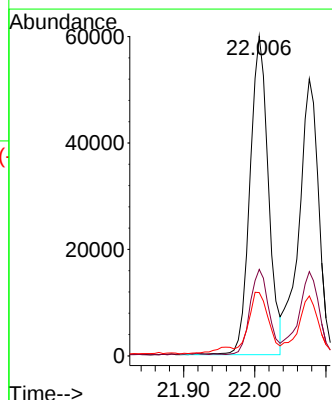
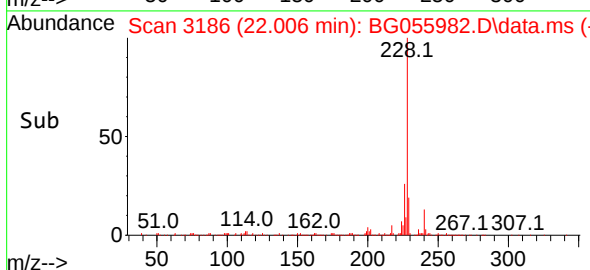
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

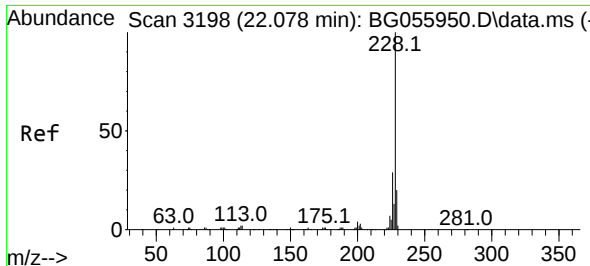


#81
 Benzo(a)anthracene
 Concen: 20.479 ng
 RT: 22.006 min Scan# 3186
 Delta R.T. 0.005 min
 Lab File: BG055982.D
 Acq: 15 Dec 2022 18:29



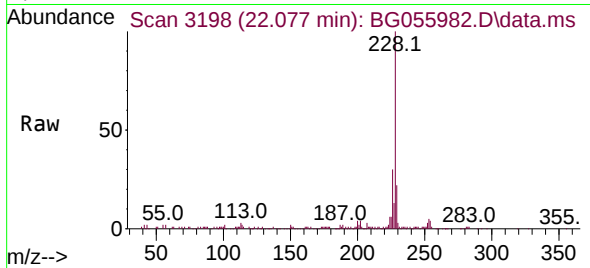
Tgt Ion:228 Resp: 107605
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.8 32.6
 229 19.8 15.9 23.9





#83
Chrysene
Concen: 20.308 ng
RT: 22.077 min Scan# 3198
Delta R.T. -0.001 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

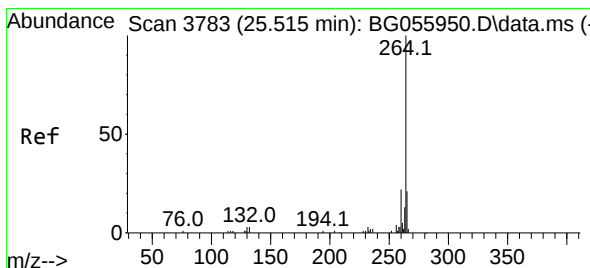
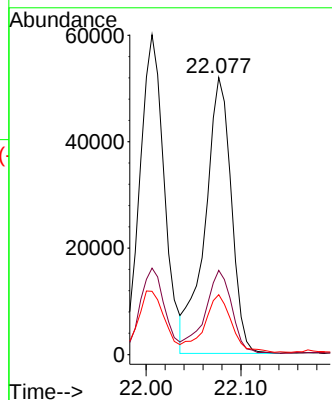
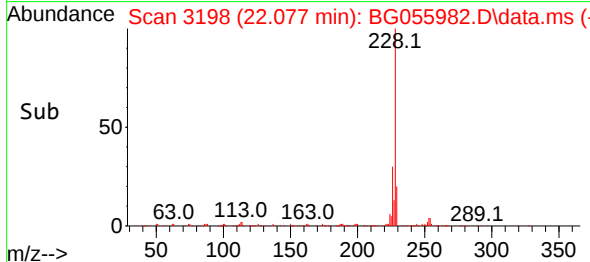
Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)



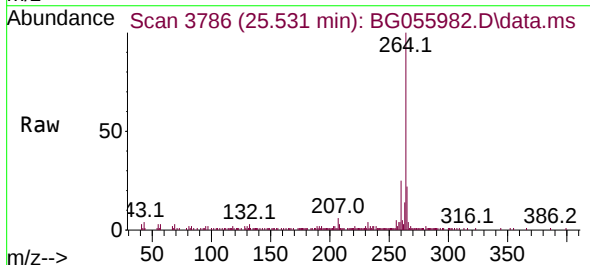
Tgt Ion:228 Resp: 100000
Ion Ratio Lower Upper
228 100
226 30.4 23.1 34.7
229 21.6 15.7 23.5

Manual Integrations
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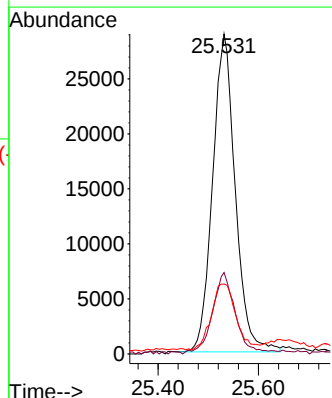
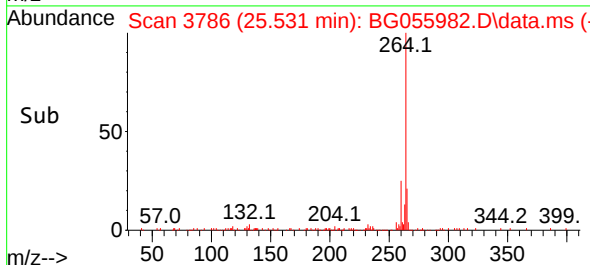
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

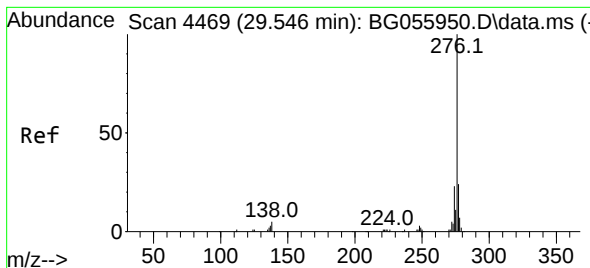


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.531 min Scan# 3786
Delta R.T. 0.016 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29



Tgt Ion:264 Resp: 90378
Ion Ratio Lower Upper
264 100
260 25.4 17.8 26.8
265 21.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.801 ng

RT: 29.574 min Scan# 4469

Delta R.T. 0.028 min

Lab File: BG055982.D

Acq: 15 Dec 2022 18:29

Instrument :

BNA_G

ClientSampleId :

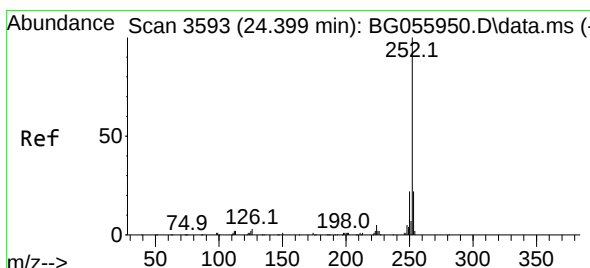
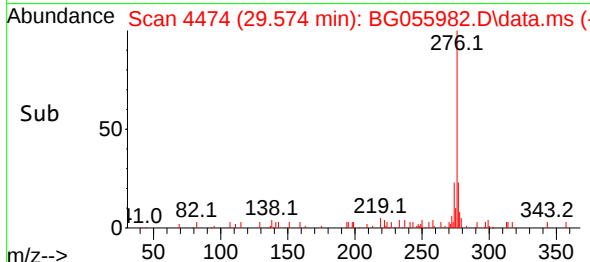
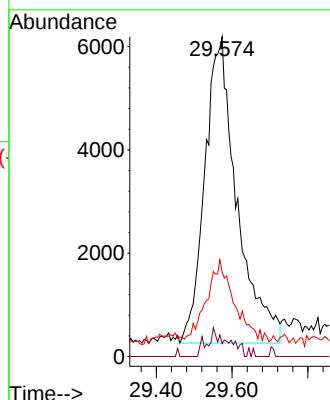
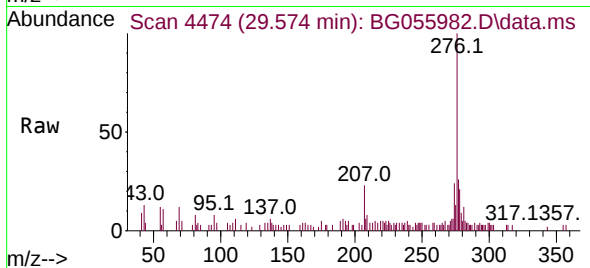
RB-16-(2.5-4.5)

Tgt Ion:276 Resp: 34889
 Ion Ratio Lower Upper
 276 100
 138 0.0 3.0 4.4#
 277 20.6 20.4 30.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022



#88

Benzo(b)fluoranthene

Concen: 15.239 ng

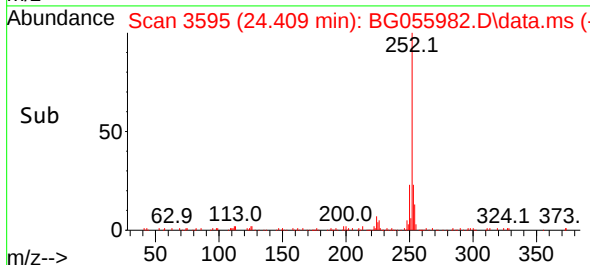
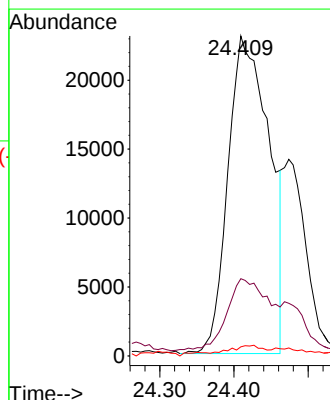
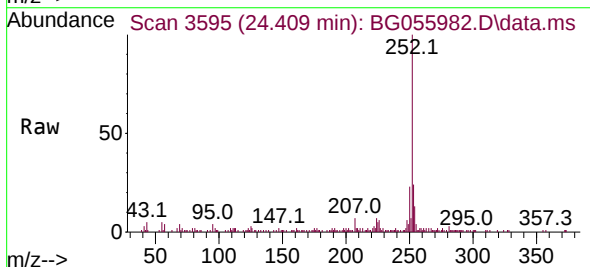
RT: 24.409 min Scan# 3595

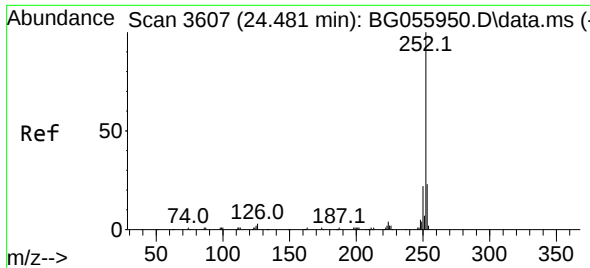
Delta R.T. 0.010 min

Lab File: BG055982.D

Acq: 15 Dec 2022 18:29

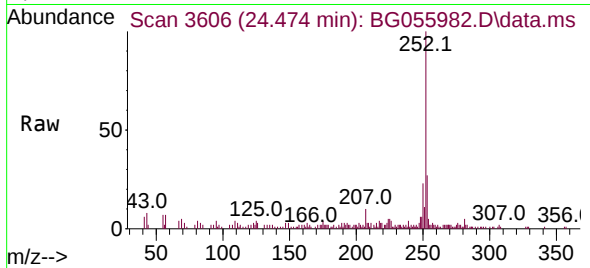
Tgt Ion:252 Resp: 89135
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.4 26.0
 125 2.8 1.8 2.8#





#89
Benzo(k)fluoranthene
Concen: 5.375 ng m
RT: 24.474 min Scan# 3606
Delta R.T. -0.007 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

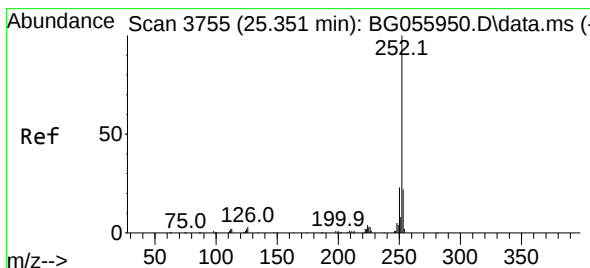
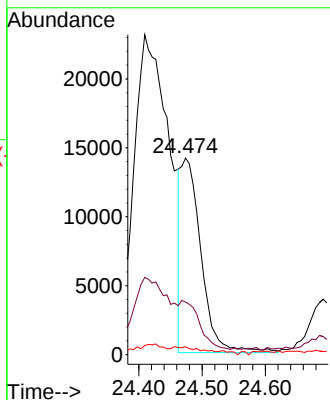
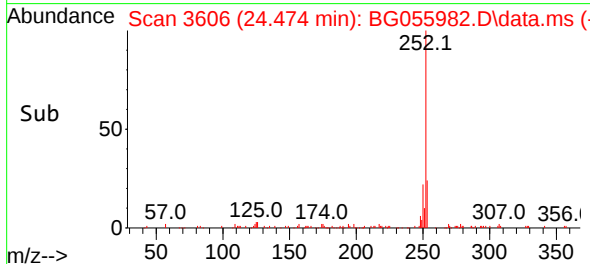
Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)



Tgt Ion:252 Resp: 31365
Ion Ratio Lower Upper
252 100
253 26.8 18.2 27.2
125 4.0 2.0 3.0

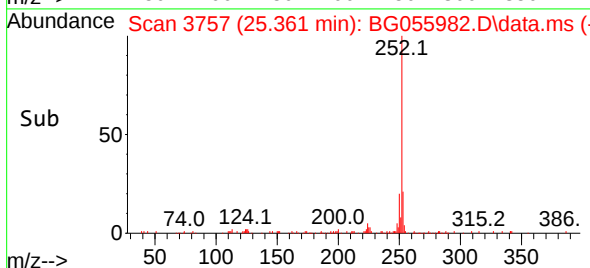
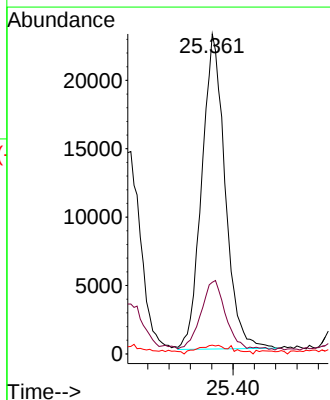
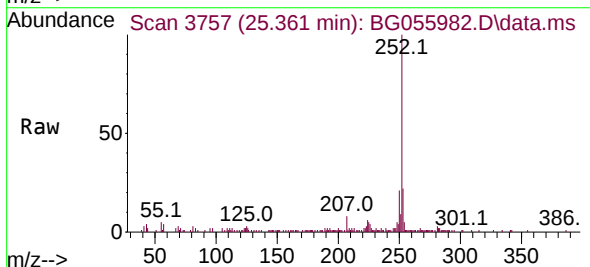
Manual Integrations
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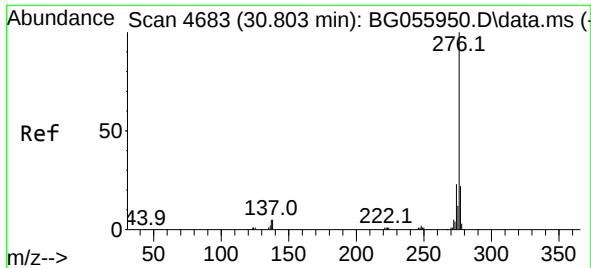
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#90
Benzo(a)pyrene
Concen: 14.122 ng
RT: 25.361 min Scan# 3757
Delta R.T. 0.010 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

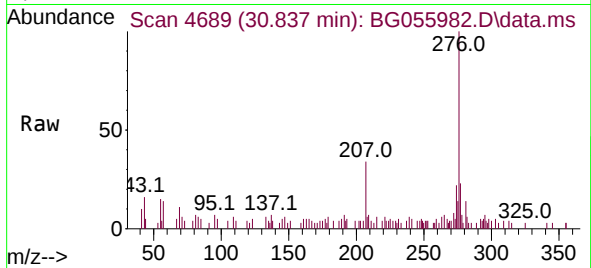
Tgt Ion:252 Resp: 69824
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 2.7 1.9 2.9





#92
Benzo(g,h,i)perylene
Concen: 5.541 ng m
RT: 30.837 min Scan# 4689
Delta R.T. 0.034 min
Lab File: BG055982.D
Acq: 15 Dec 2022 18:29

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)



Tgt Ion: 276 Resp: 32586
Ion Ratio Lower Upper
276 100
277 22.8 17.8 26.6
138 4.0 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

