

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055990.D
 Acq On : 15 Dec 2022 23:59
 Operator : CG/JU
 Sample : N6066-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ORA-1509

Manual Integrations
 APPROVED

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

Quant Time: Dec 16 04:09:14 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	8.382	152	9473	20.000	ng	0.00
21) Naphthalene-d8	11.214	136	36083	20.000	ng	# 0.00
39) Acenaphthene-d10	14.986	164	27781	20.000	ng	0.00
64) Phenanthrene-d10	17.724	188	64180	20.000	ng	0.01
76) Chrysene-d12	22.037	240	64485	20.000	ng	# 0.01
86) Perylene-d12	25.556	264	46825	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.897	112	51937	128.578	ng	0.01
7) Phenol-d6	7.512	99	63962	123.118	ng	0.02
23) Nitrobenzene-d5	9.557	82	41864	81.078	ng	0.01
42) 2,4,6-Tribromophenol	16.467	330	74799	111.660	ng	0.01
45) 2-Fluorobiphenyl	13.617	172	132329	66.804	ng	0.00
79) Terphenyl-d14	20.303	244	208903	57.256	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	11.267	128	15711	8.252	ng	97
37) 2-Methylnaphthalene	12.842	142	12841	7.634	ng	98
38) 1-Methylnaphthalene	13.059	142	6878	4.197	ng	99
46) 1,1'-Biphenyl	13.823	154	6097	3.238	ng	89
52) Acenaphthene	15.051	154	17657	10.769	ng	95
55) Dibenzofuran	15.380	168	22485	8.155	ng	# 91
58) Fluorene	16.026	166	14980	6.646	ng	98
71) Phenanthrene	17.771	178	72345	21.510	ng	98
72) Anthracene	17.859	178	21091	6.338	ng	99
73) Carbazole	18.118	167	8133	2.964	ng	# 91
75) Fluoranthene	19.757	202	86454	18.356	ng	98
78) Pyrene	20.115	202	76892	19.706	ng	99
81) Benzo(a)anthracene	22.019	228	43814	9.656	ng	# 94
83) Chrysene	22.090	228	50003m	11.758	ng	
84) Bis(2-ethylhexyl)phtha...	21.890	149	3594	2.188	ng	# 78
88) Benzo(b)fluoranthene	24.434	252	33357	11.007	ng	# 95
89) Benzo(k)fluoranthene	24.481	252	21502m	7.112	ng	
90) Benzo(a)pyrene	25.386	252	24916	9.727	ng	# 89

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

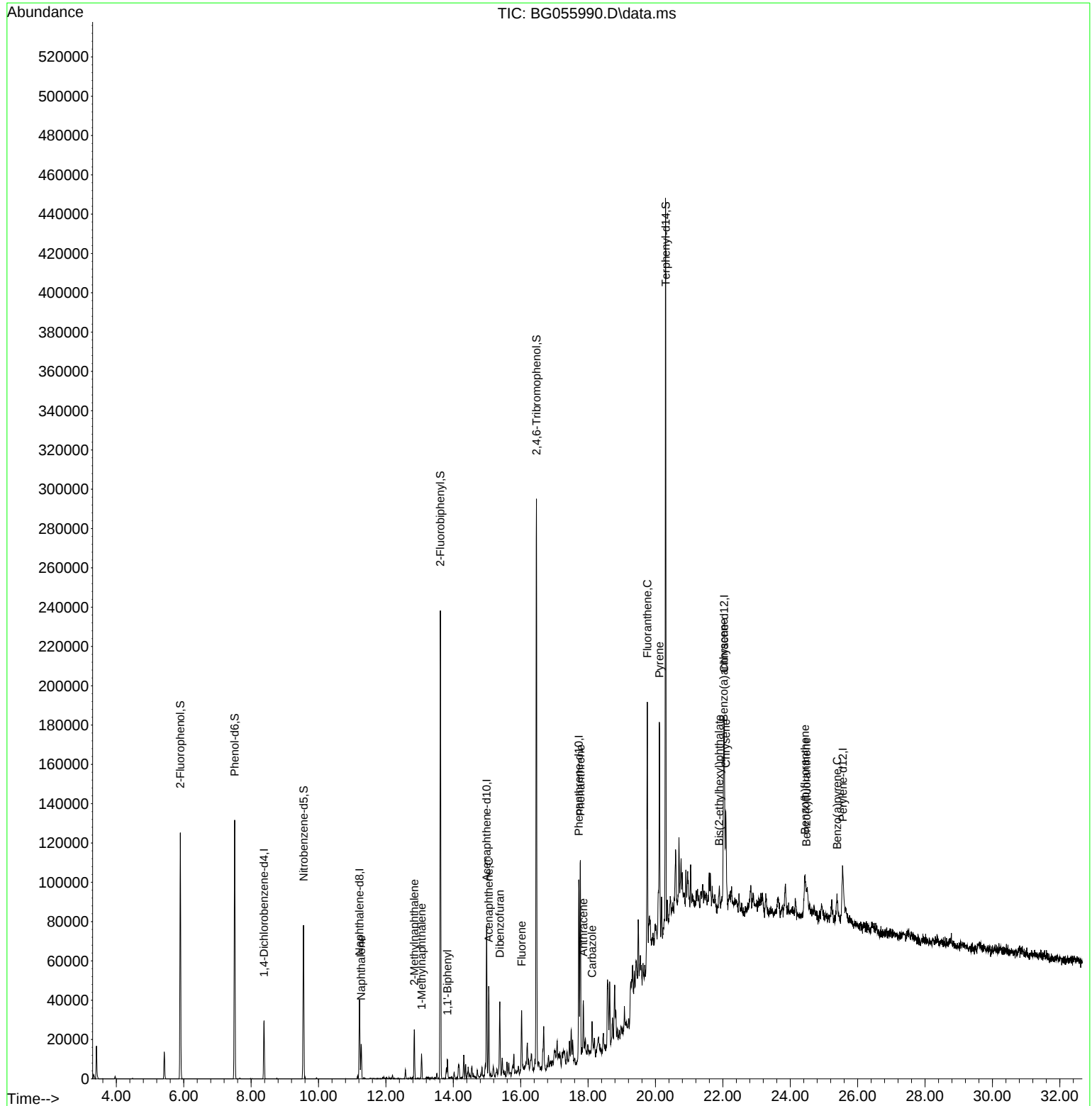
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055990.D
Acq On : 15 Dec 2022 23:59
Operator : CG/JU
Sample : N6066-03
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ALS Vial : 18 Sample Multiplier: 1

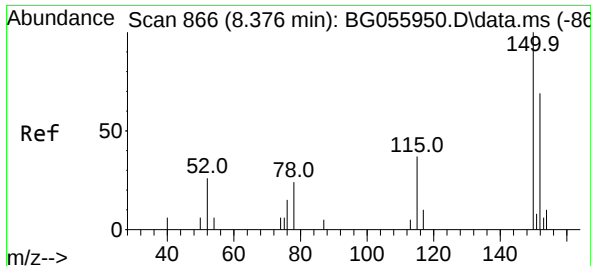
Instrument :
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Quant Time: Dec 16 04:09:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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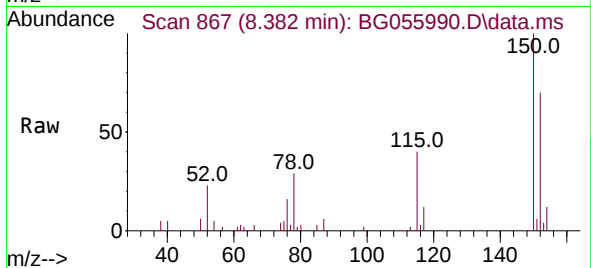
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.382 min Scan# 866
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

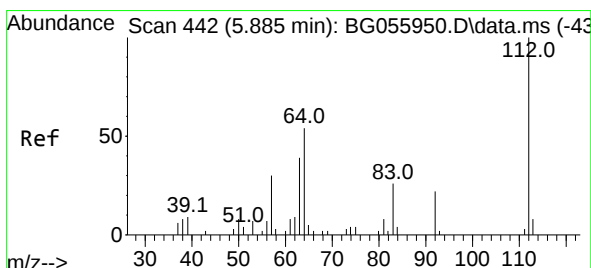
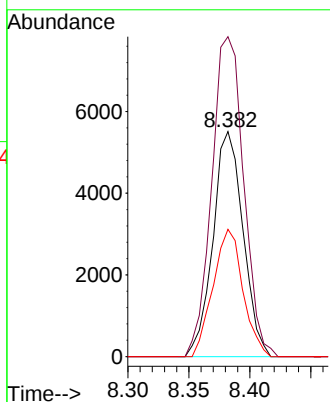
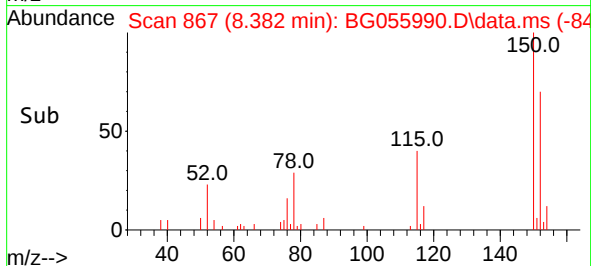
Instrument :
BNA_G
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ORA-1509



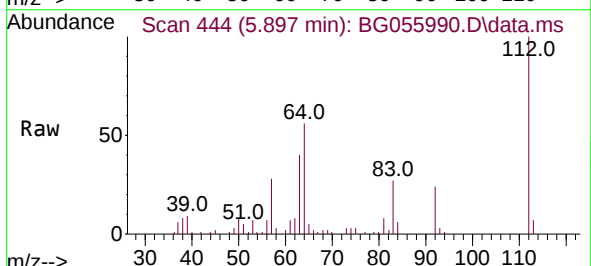
Tgt Ion:152 Resp: 9473
Ion Ratio Lower Upper
152 100
150 142.2 115.7 173.5
115 56.6 43.0 64.4

Manual Integrations
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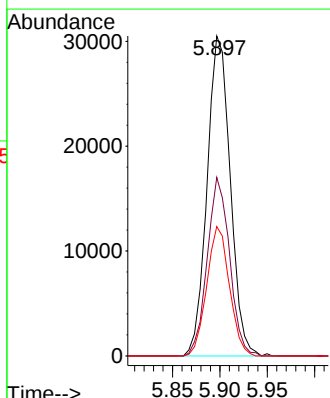
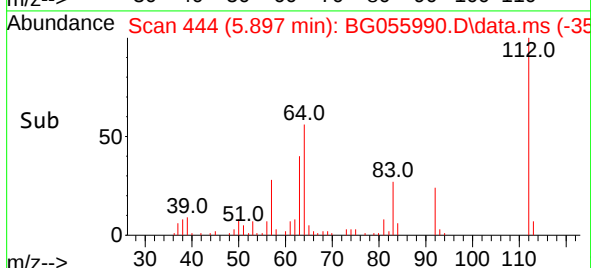
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Supervised By :mohammad ahmed 12/17/2022

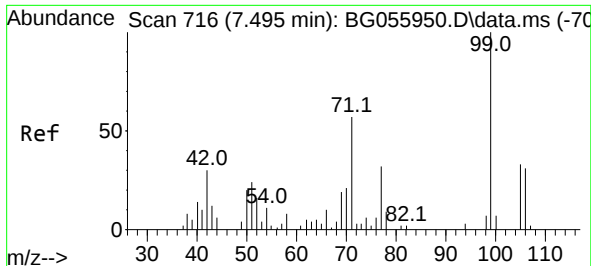


#5
2-Fluorophenol
Concen: 128.578 ng
RT: 5.897 min Scan# 444
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59



Tgt Ion:112 Resp: 51937
Ion Ratio Lower Upper
112 100
64 55.8 43.0 64.4
63 40.4 31.4 47.2





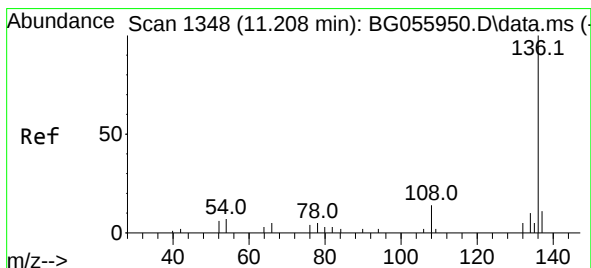
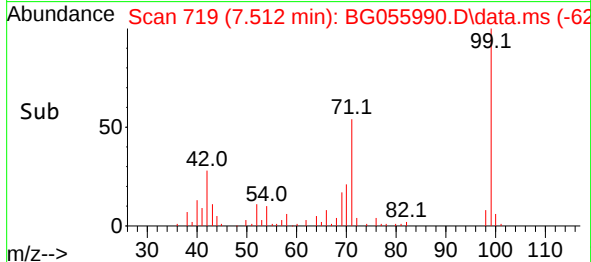
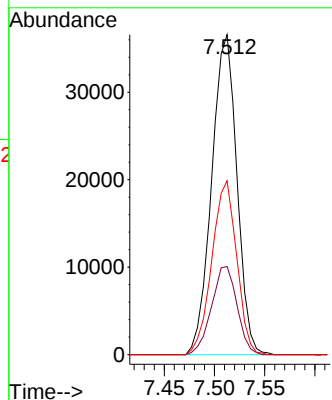
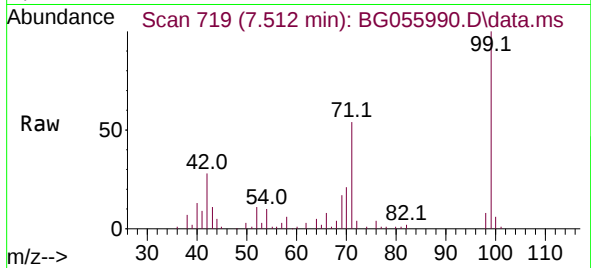
#7
Phenol-d6
Concen: 123.118 ng
RT: 7.512 min Scan# 716
Delta R.T. 0.017 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Instrument :
BNA_G
ClientSampleId :
ORA-1509

Tgt Ion: 99 Resp: 63962
Ion Ratio Lower Upper
99 100
42 27.5 24.3 36.5
71 54.3 45.6 68.4

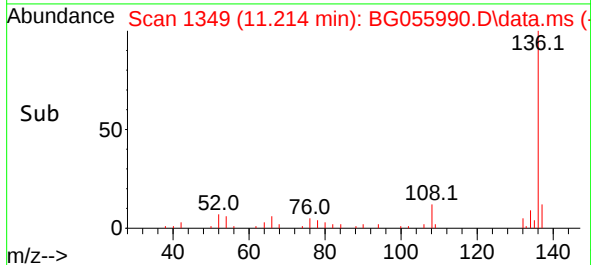
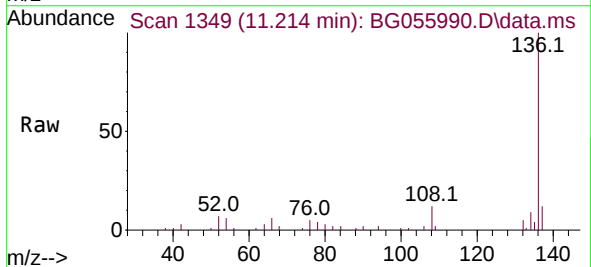
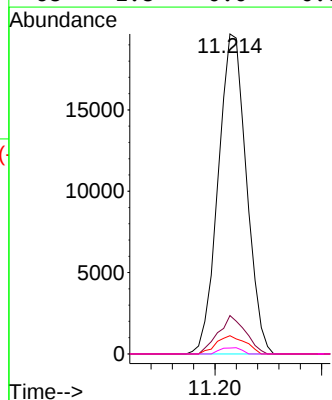
Manual Integrations
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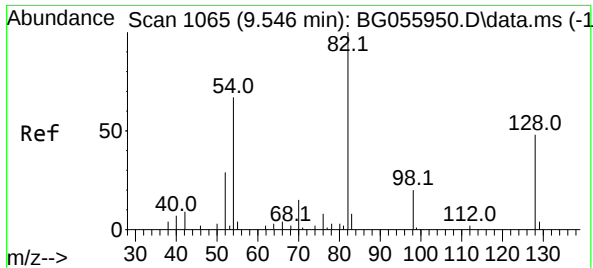
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.214 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:136 Resp: 36083
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 5.7 5.6 8.4
68 1.8 0.0 0.0#





#23
Nitrobenzene-d5
Concen: 81.078 ng
RT: 9.557 min Scan# 1067
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

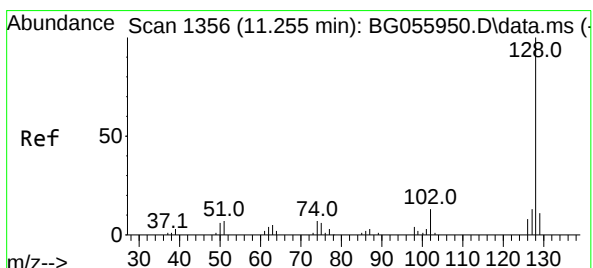
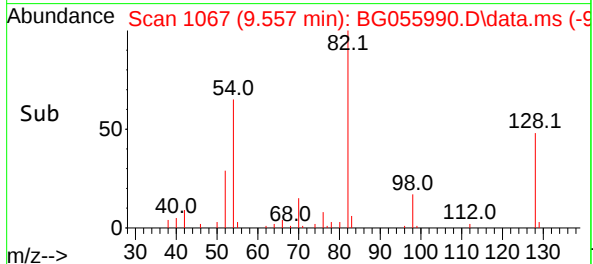
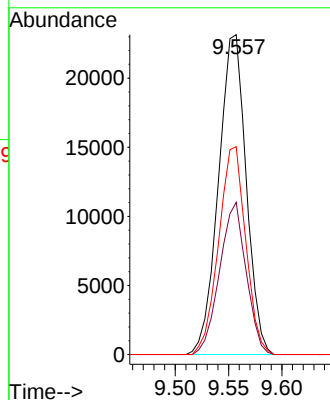
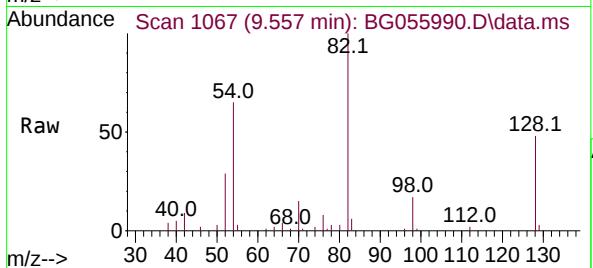
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Tgt Ion: 82 Resp: 41864
Ion Ratio Lower Upper
82 100
128 47.6 38.4 57.6
54 65.0 53.3 79.9

Manual Integrations

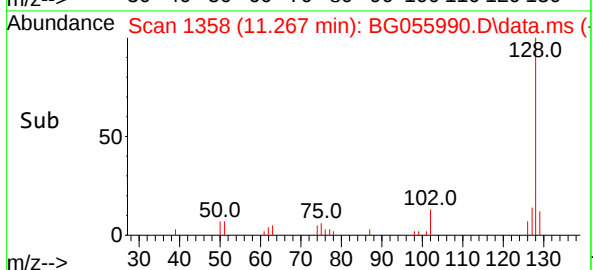
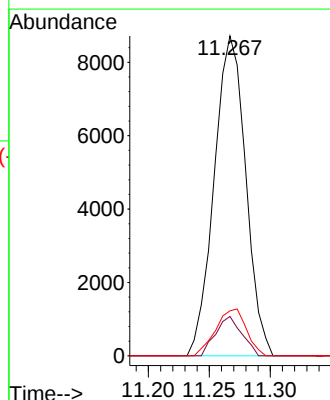
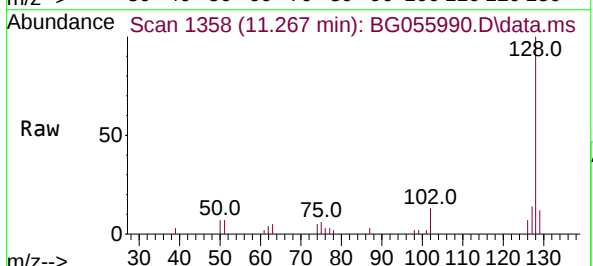
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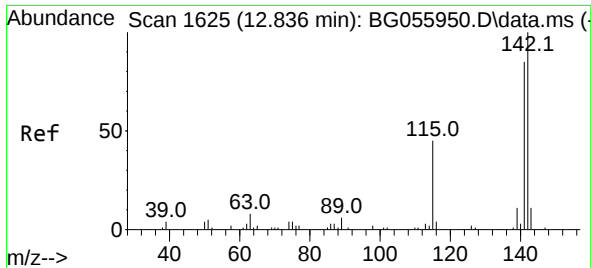
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#31
Naphthalene
Concen: 8.252 ng
RT: 11.267 min Scan# 1358
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:128 Resp: 15711
Ion Ratio Lower Upper
128 100
129 12.3 8.7 13.1
127 14.0 10.3 15.5





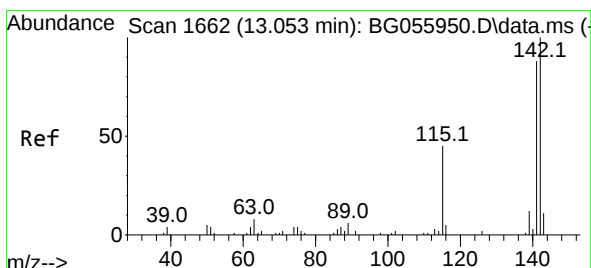
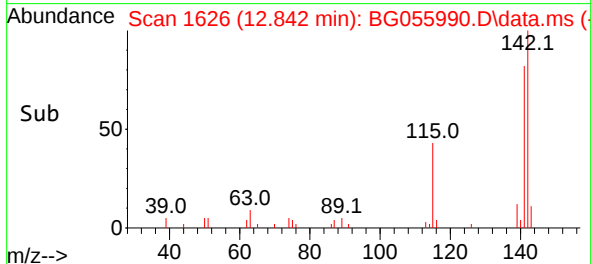
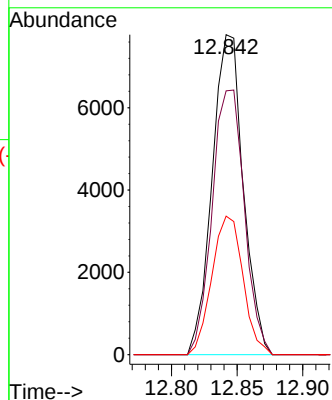
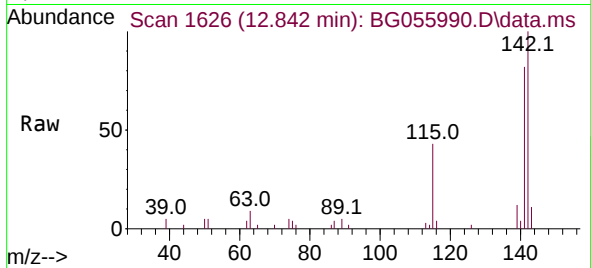
#37
2-Methylnaphthalene
Concen: 7.634 ng
RT: 12.842 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Instrument :
BNA_G
ClientSampleId :
ORA-1509

Tgt Ion:142 Resp: 1284
Ion Ratio Lower Upper
142 100
141 82.4 67.8 101.6
115 43.3 35.7 53.5

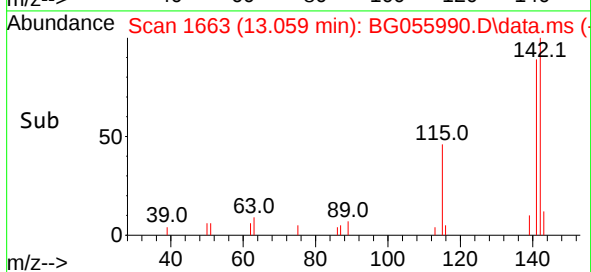
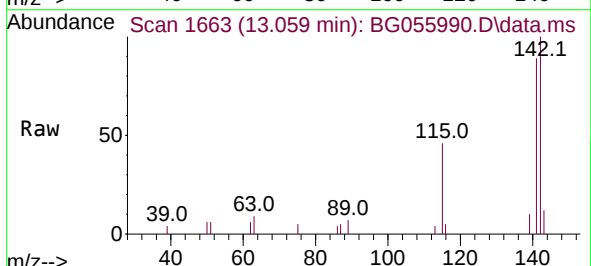
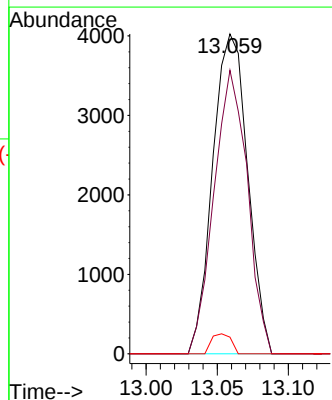
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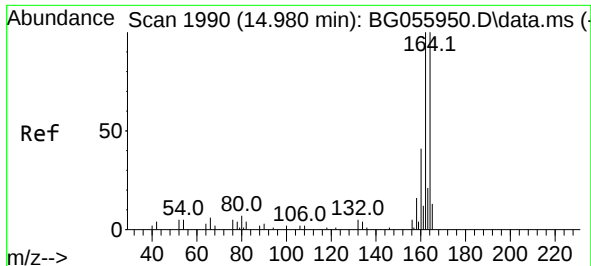
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Supervised By :mohammad ahmed 12/17/2022



#38
1-Methylnaphthalene
Concen: 4.197 ng
RT: 13.059 min Scan# 1663
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

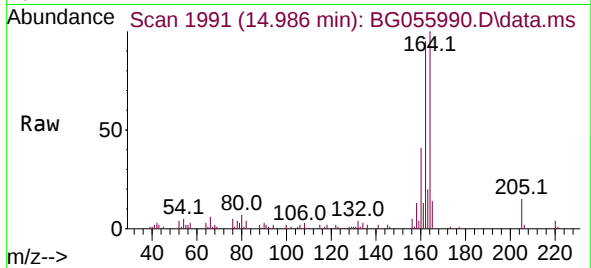
Tgt Ion:142 Resp: 6878
Ion Ratio Lower Upper
142 100
141 88.6 70.2 105.2
116 5.2 3.8 5.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.986 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

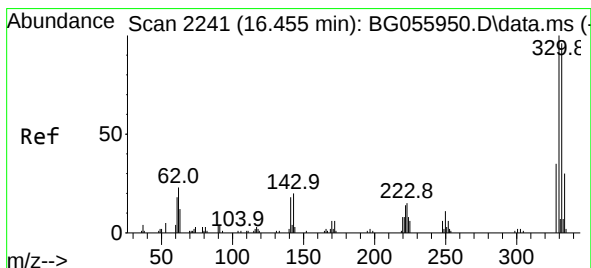
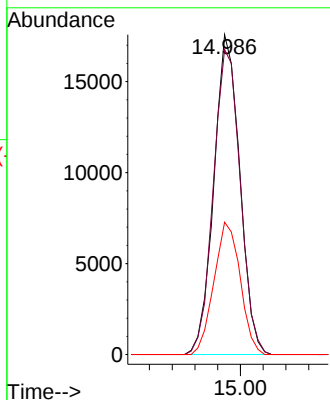
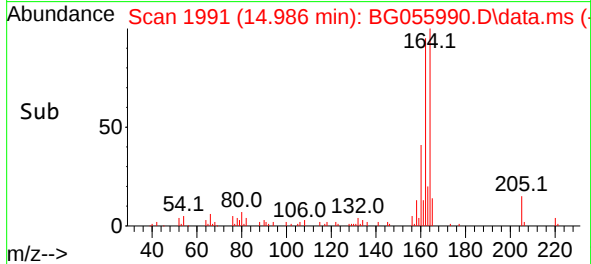
Instrument :
BNA_G
ClientSampleId :
ORA-1509



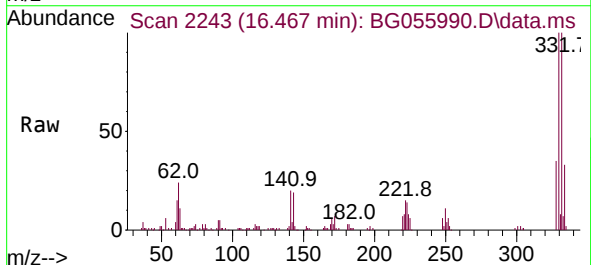
Tgt Ion:164 Resp: 2778
Ion Ratio Lower Upper
164 100
162 95.4 79.8 119.8
160 41.4 33.0 49.4

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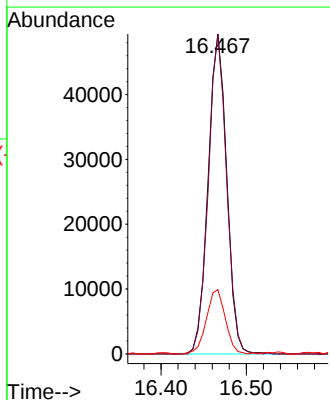
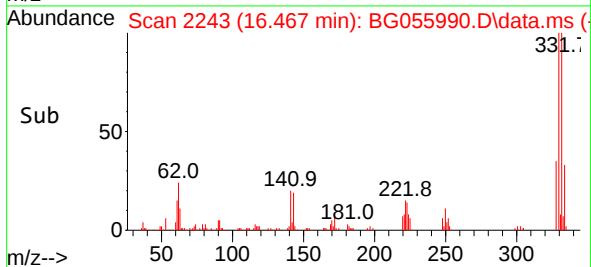
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

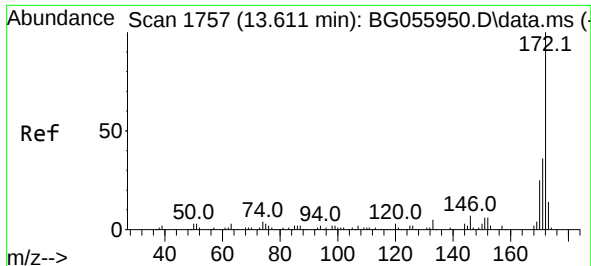


#42
2,4,6-Tribromophenol
Concen: 111.660 ng
RT: 16.467 min Scan# 2243
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59



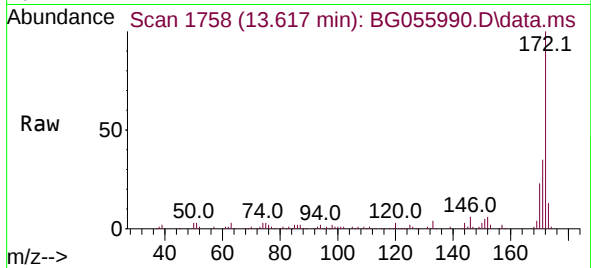
Tgt Ion:330 Resp: 74799
Ion Ratio Lower Upper
330 100
332 98.1 76.6 114.8
141 20.4 15.0 22.4





#45
2-Fluorobiphenyl
Concen: 66.804 ng
RT: 13.617 min Scan# 1757
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

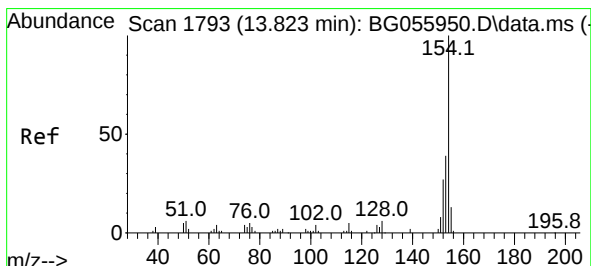
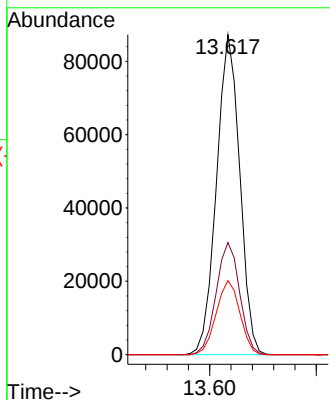
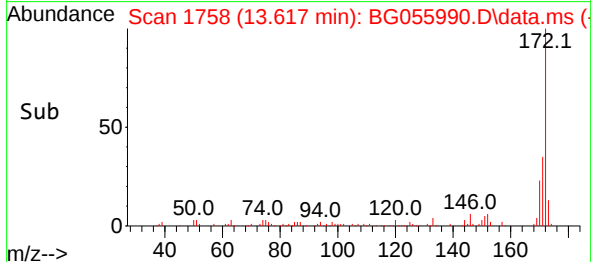
Instrument :
BNA_G
ClientSampleId :
ORA-1509



Tgt Ion:172 Resp: 132329
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.1 19.9 29.9

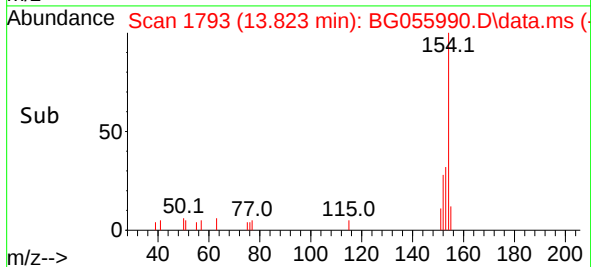
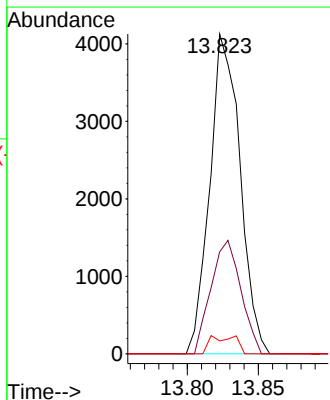
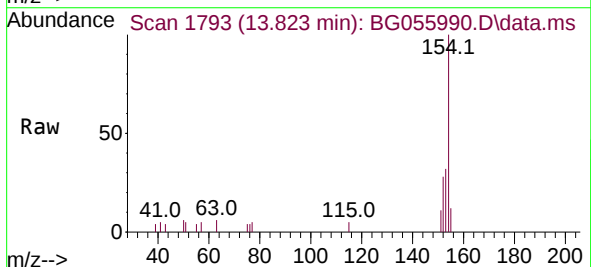
Manual Integrations
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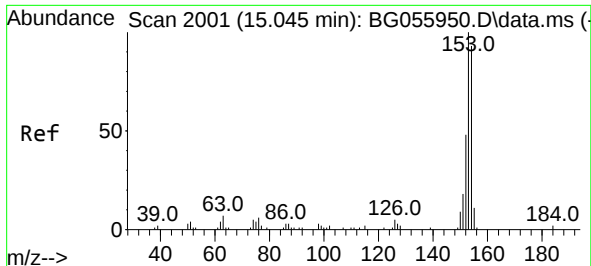
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#46
1,1'-Biphenyl
Concen: 3.238 ng
RT: 13.823 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:154 Resp: 6097
Ion Ratio Lower Upper
154 100
153 31.9 19.5 59.5
76 4.1 0.0 25.5





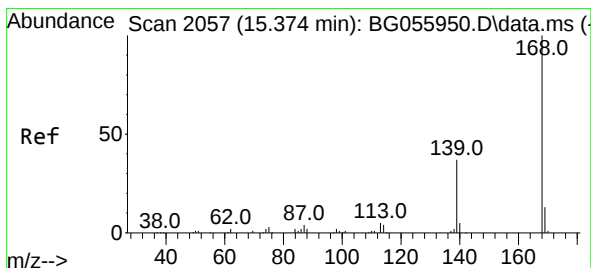
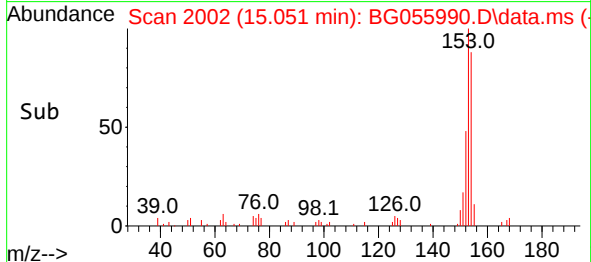
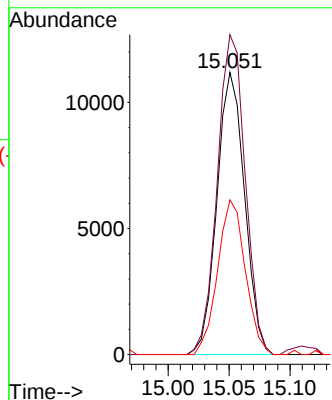
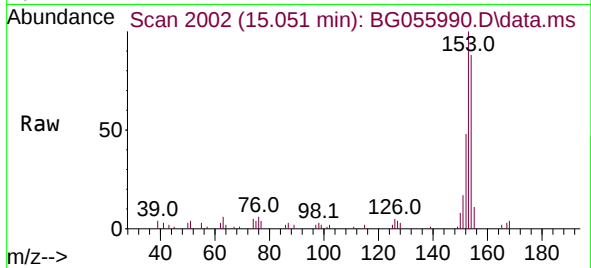
#52
Acenaphthene
Concen: 10.769 ng
RT: 15.051 min Scan# 2001
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Instrument :
BNA_G
ClientSampleId :
ORA-1509

Tgt Ion:154 Resp: 17652
Ion Ratio Lower Upper
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153 113.4 86.2 129.2
152 54.9 41.4 62.0

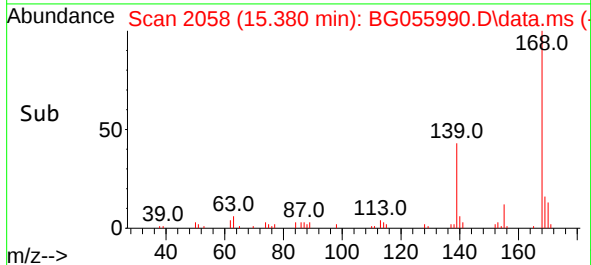
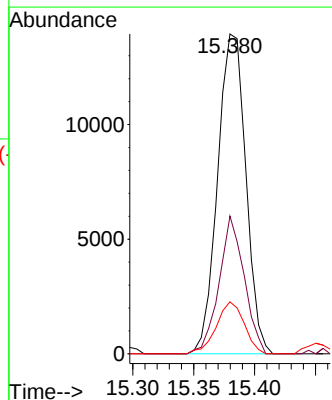
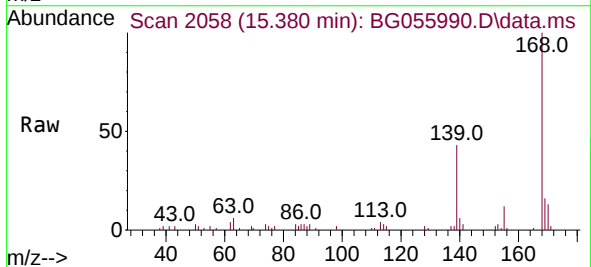
Manual Integrations
APPROVED

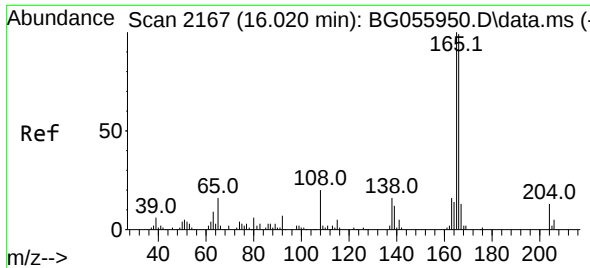
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#55
Dibenzofuran
Concen: 8.155 ng
RT: 15.380 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

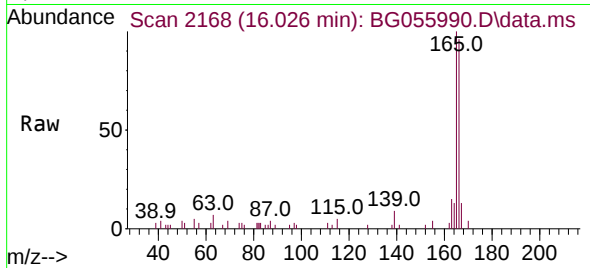
Tgt Ion:168 Resp: 22485
Ion Ratio Lower Upper
168 100
139 43.1 29.8 44.8
169 16.3 10.6 16.0#





#58
Fluorene
Concen: 6.646 ng
RT: 16.026 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

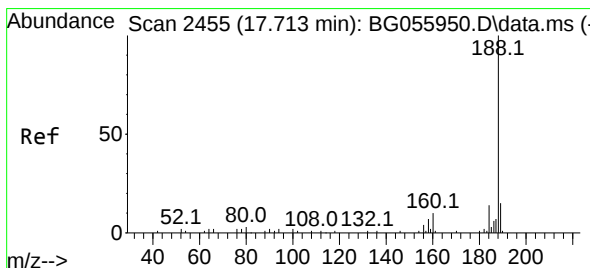
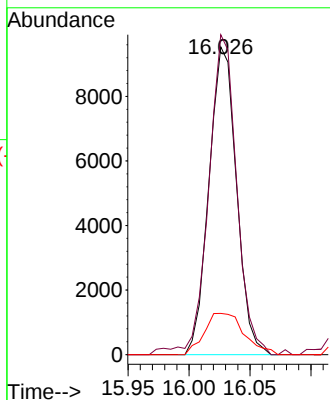
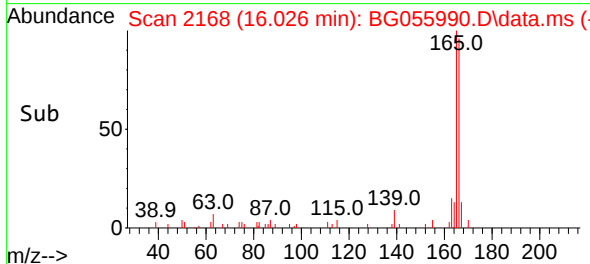
Instrument :
BNA_G
ClientSampleId :
ORA-1509



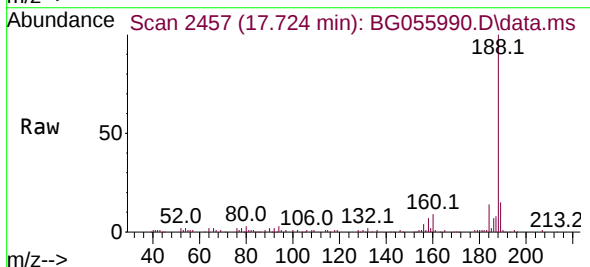
Tgt Ion:166 Resp: 14980
Ion Ratio Lower Upper
166 100
165 104.0 81.1 121.7
167 13.4 10.5 15.7

Manual Integrations
APPROVED

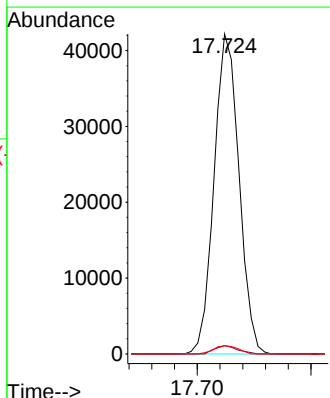
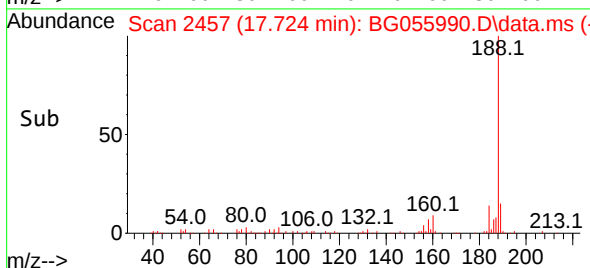
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

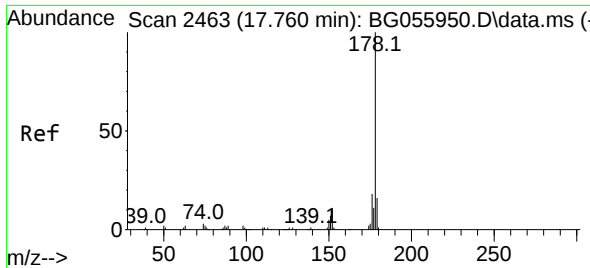


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.724 min Scan# 2457
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59



Tgt Ion:188 Resp: 64180
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.5 2.4 3.6





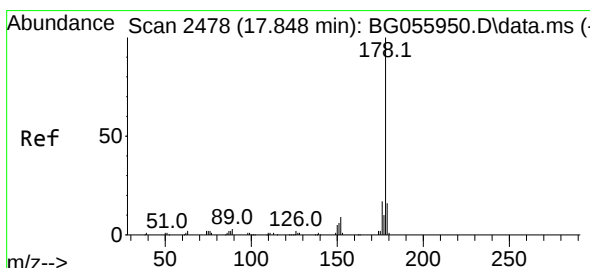
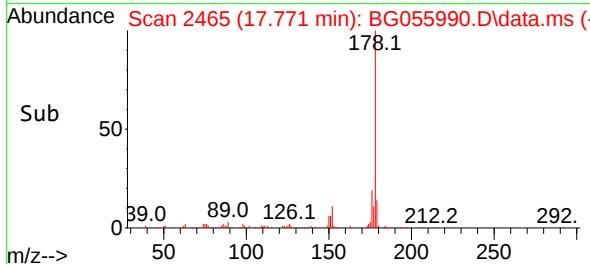
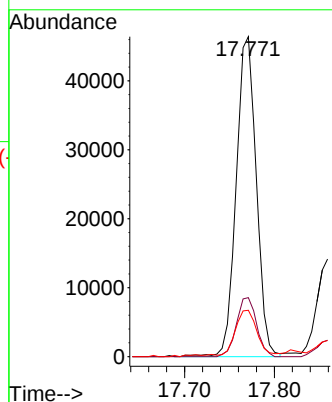
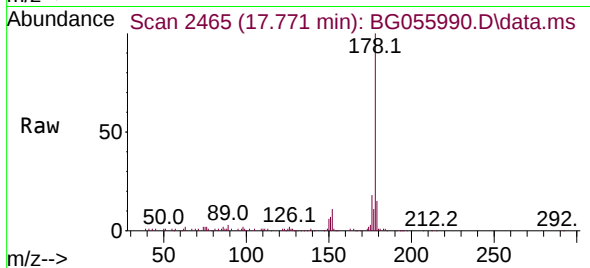
#71
Phenanthrene
Concen: 21.510 ng
RT: 17.771 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Instrument :
BNA_G
ClientSampleId :
ORA-1509

Tgt Ion:178 Resp: 72345
Ion Ratio Lower Upper
178 100
176 18.4 14.4 21.6
179 14.5 12.7 19.1

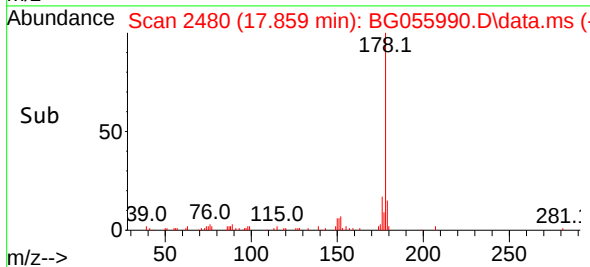
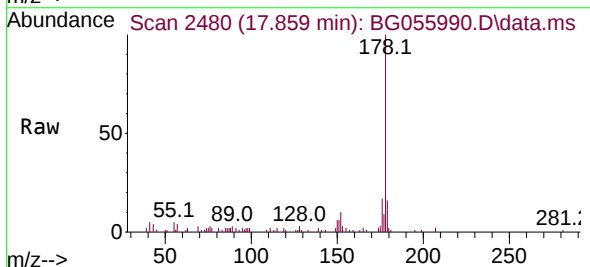
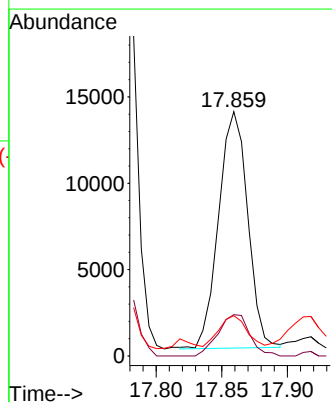
Manual Integrations
APPROVED

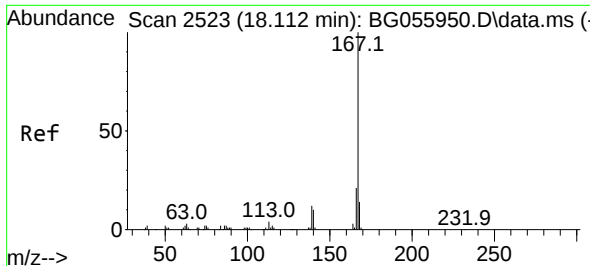
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#72
Anthracene
Concen: 6.338 ng
RT: 17.859 min Scan# 2480
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

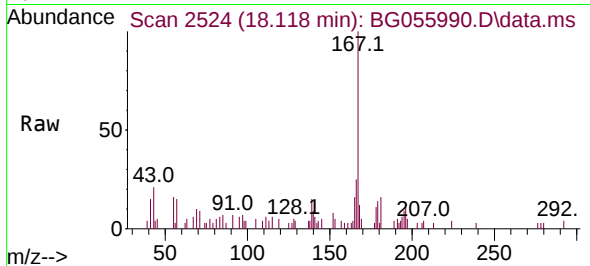
Tgt Ion:178 Resp: 21091
Ion Ratio Lower Upper
178 100
176 16.9 13.9 20.9
179 16.5 12.7 19.1





#73
 Carbazole
 Concen: 2.964 ng
 RT: 18.118 min Scan# 2523
 Delta R.T. 0.006 min
 Lab File: BG055990.D
 Acq: 15 Dec 2022 23:59

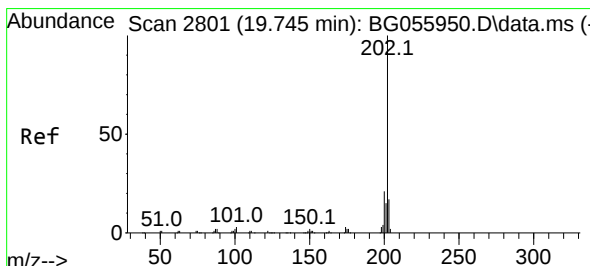
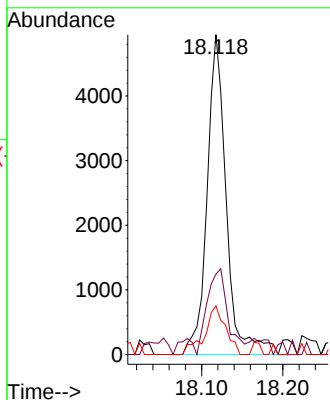
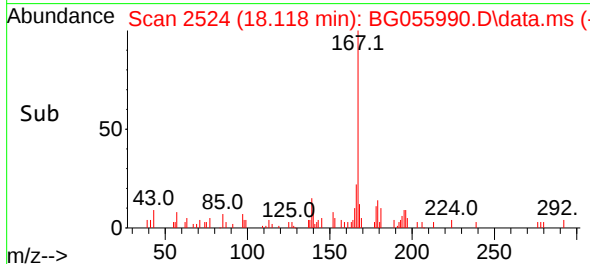
Instrument :
 BNA_G
 ClientSampleId :
 ORA-1509



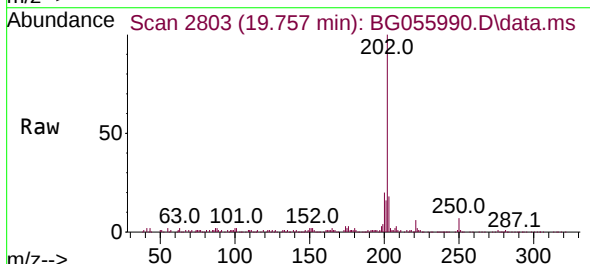
Tgt Ion:167 Resp: 8133
 Ion Ratio Lower Upper
 167 100
 166 25.2 16.6 25.0
 139 15.2 9.7 14.5

Manual Integrations
 APPROVED

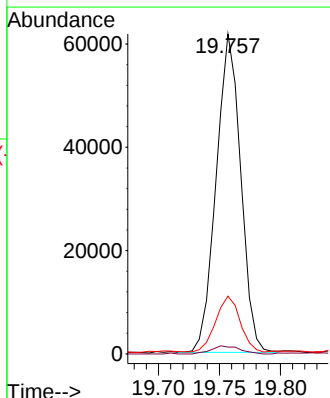
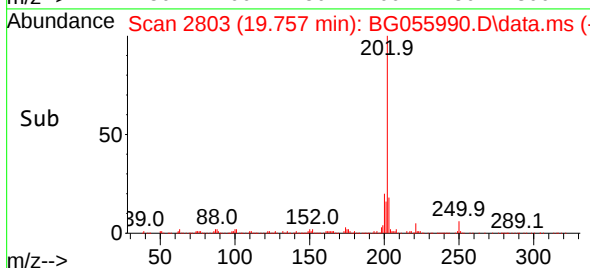
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

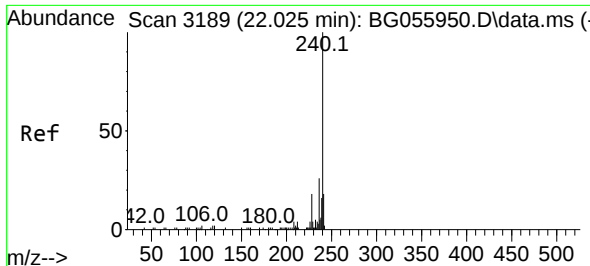


#75
 Fluoranthene
 Concen: 18.356 ng
 RT: 19.757 min Scan# 2803
 Delta R.T. 0.011 min
 Lab File: BG055990.D
 Acq: 15 Dec 2022 23:59



Tgt Ion:202 Resp: 86454
 Ion Ratio Lower Upper
 202 100
 101 2.1 0.0 22.6
 203 18.0 0.0 37.1





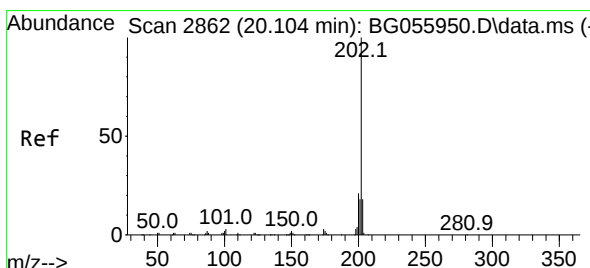
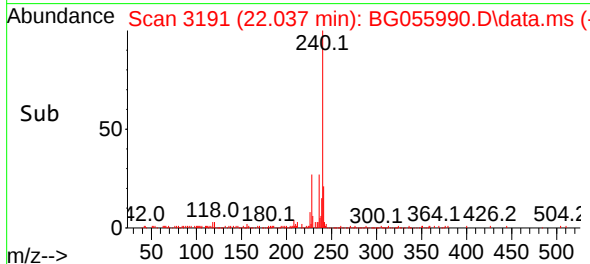
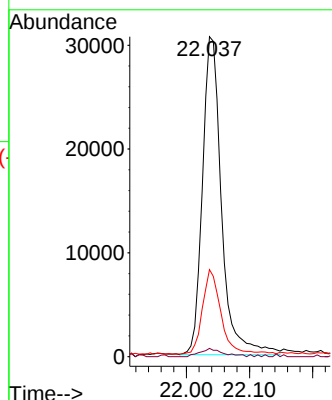
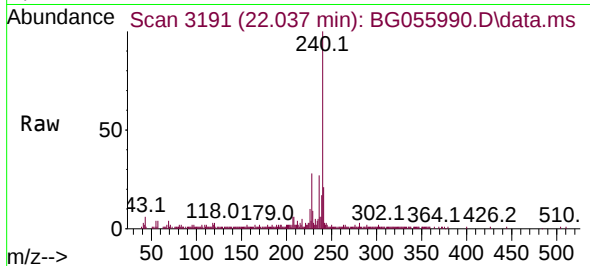
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.037 min Scan# 3189
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Instrument :
BNA_G
ClientSampleId :
ORA-1509

Tgt Ion:240 Resp: 64485
Ion Ratio Lower Upper
240 100
120 2.6 1.7 2.5
236 27.2 21.1 31.7

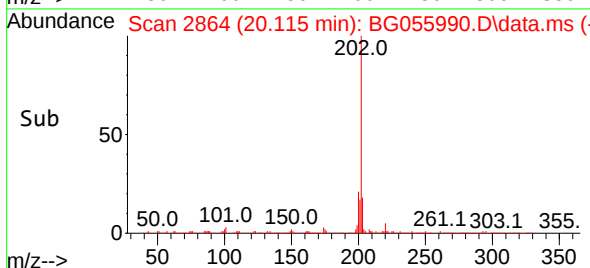
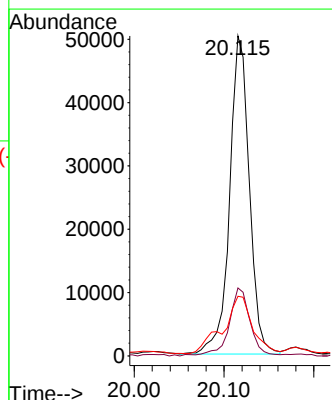
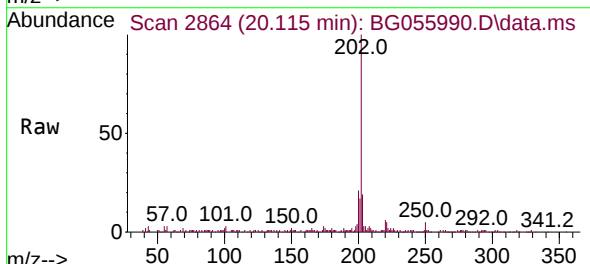
Manual Integrations
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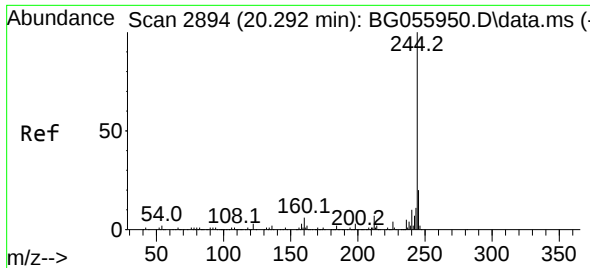
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#78
Pyrene
Concen: 19.706 ng
RT: 20.115 min Scan# 2864
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

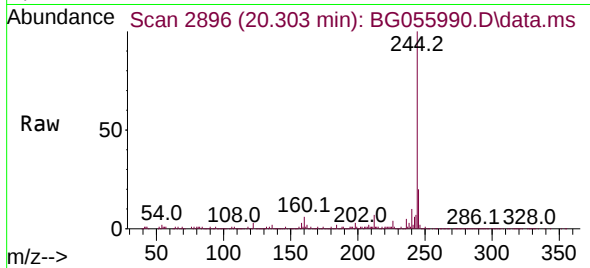
Tgt Ion:202 Resp: 76892
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 18.6 14.6 21.8





#79
 Terphenyl-d14
 Concen: 57.256 ng
 RT: 20.303 min Scan# 2896
 Delta R.T. 0.012 min
 Lab File: BG055990.D
 Acq: 15 Dec 2022 23:59

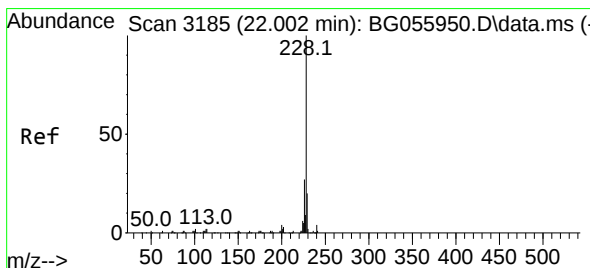
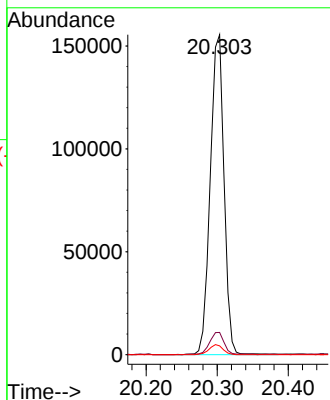
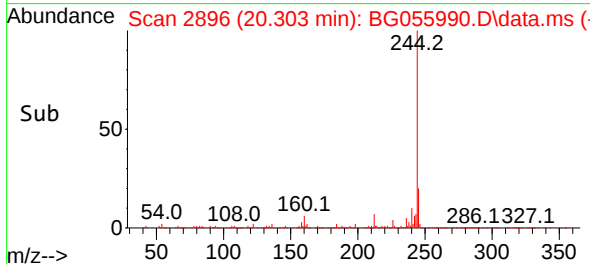
Instrument :
 BNA_G
 ClientSampleId :
 ORA-1509



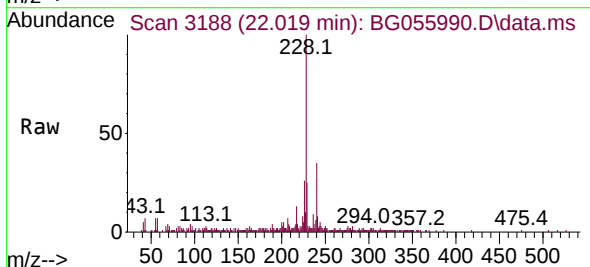
Tgt Ion:244 Resp: 208903
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 2.7 2.5 3.7

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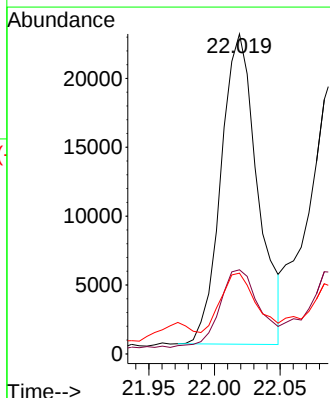
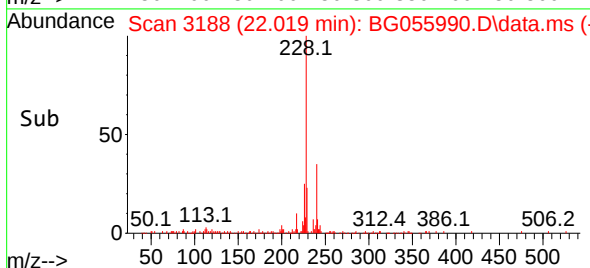
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

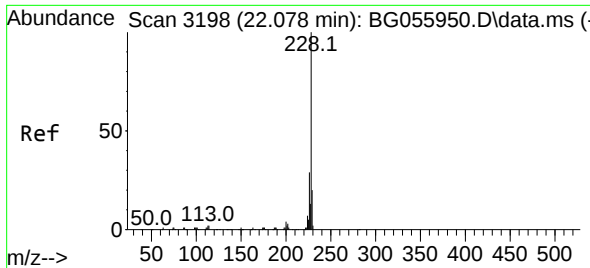


#81
 Benzo(a)anthracene
 Concen: 9.656 ng
 RT: 22.019 min Scan# 3188
 Delta R.T. 0.017 min
 Lab File: BG055990.D
 Acq: 15 Dec 2022 23:59



Tgt Ion:228 Resp: 43814
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.8 32.6
 229 25.2 15.9 23.9#





#83

Chrysene

Concen: 11.758 ng m

RT: 22.090 min Scan# 3198

Delta R.T. 0.012 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

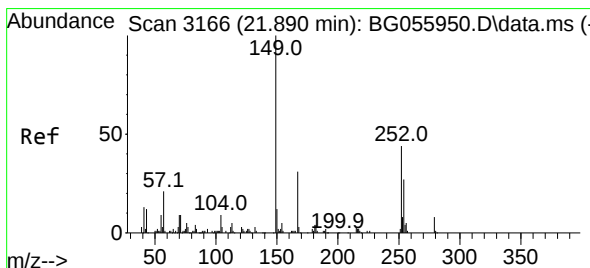
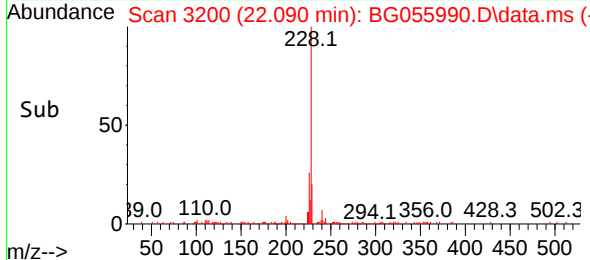
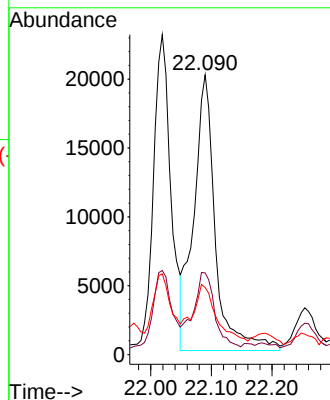
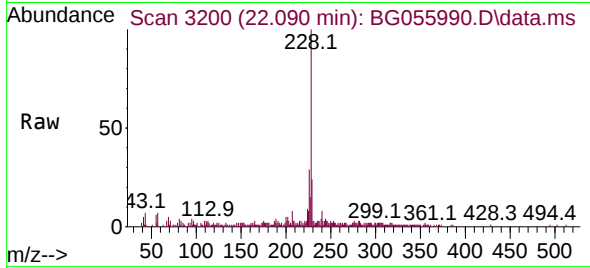
ORA-1509

Tgt Ion:	228	Resp:	5000
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.1	34.7
229	24.0	15.7	23.5

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.188 ng

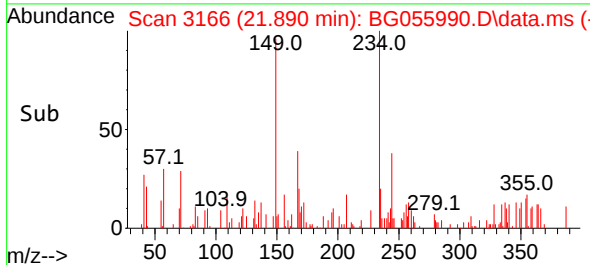
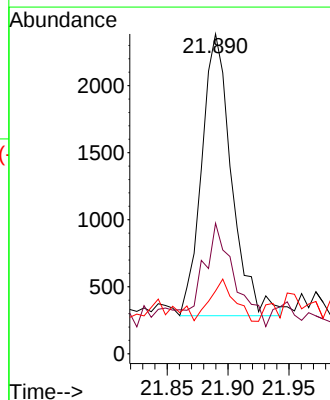
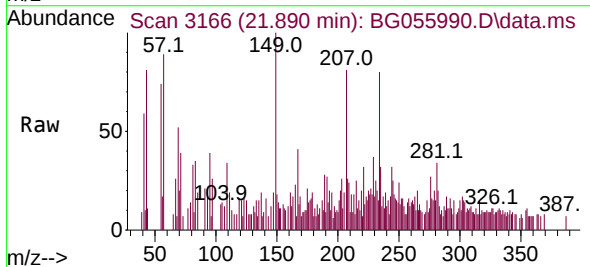
RT: 21.890 min Scan# 3166

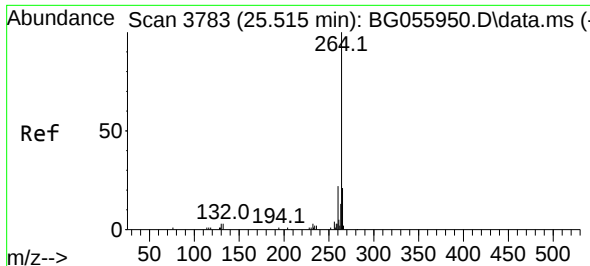
Delta R.T. -0.000 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

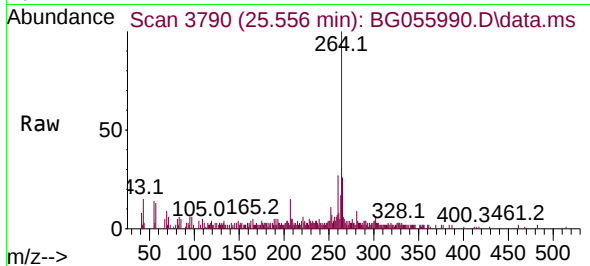
Tgt Ion:	149	Resp:	3594
Ion Ratio	Lower	Upper	
149	100		
167	40.8	24.6	36.8#
279	19.7	6.3	9.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.556 min Scan# 3783
Delta R.T. 0.041 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

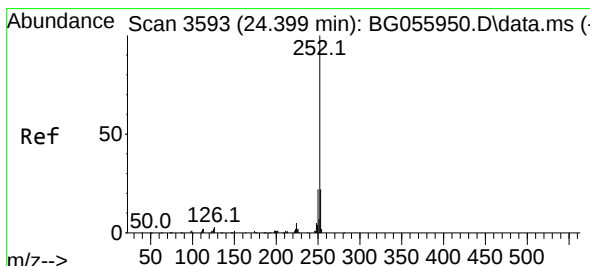
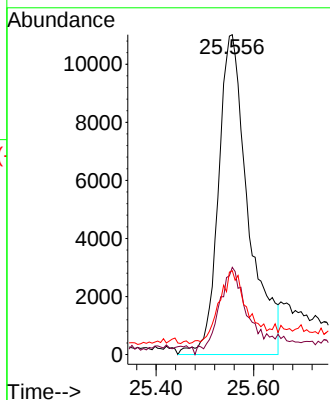
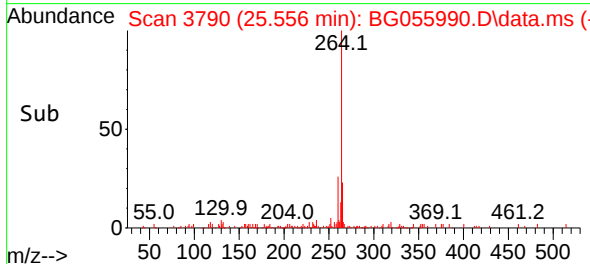
Instrument :
BNA_G
ClientSampleId :
ORA-1509



Tgt Ion:264 Resp: 46825
Ion Ratio Lower Upper
264 100
260 27.3 17.8 26.8
265 26.2 16.6 25.0

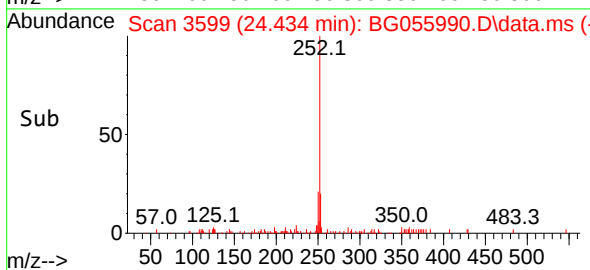
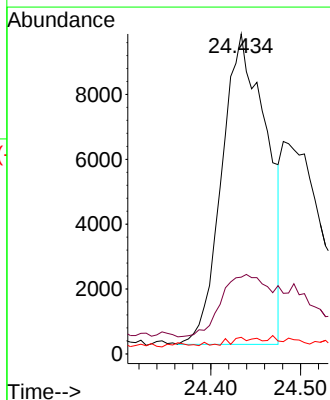
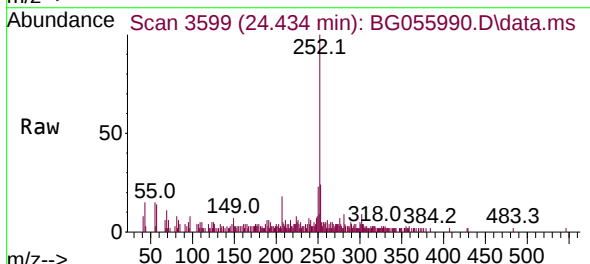
Manual Integrations
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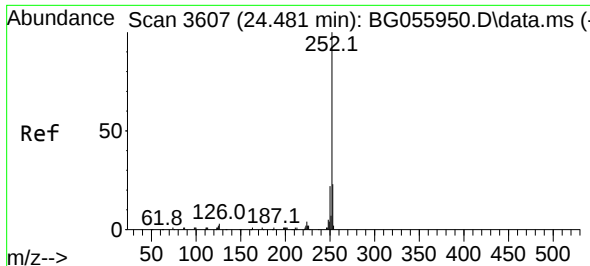
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#88
Benzo(b)fluoranthene
Concen: 11.007 ng
RT: 24.434 min Scan# 3599
Delta R.T. 0.035 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

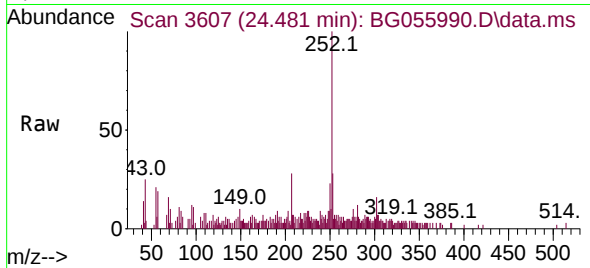
Tgt Ion:252 Resp: 33357
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 5.2 1.8 2.8





#89
Benzo(k)fluoranthene
Concen: 7.112 ng m
RT: 24.481 min Scan# 3607
Delta R.T. -0.000 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

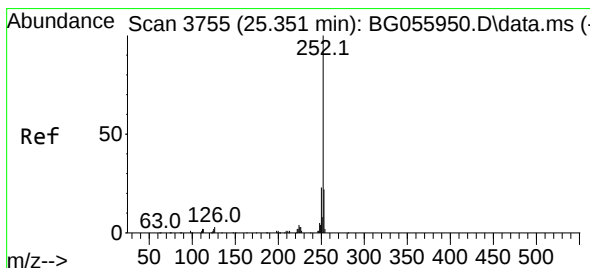
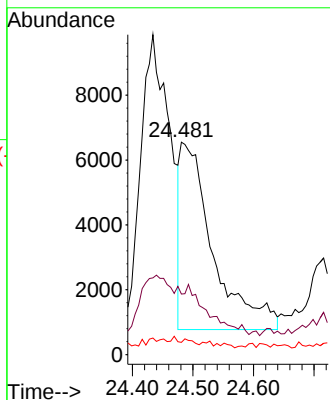
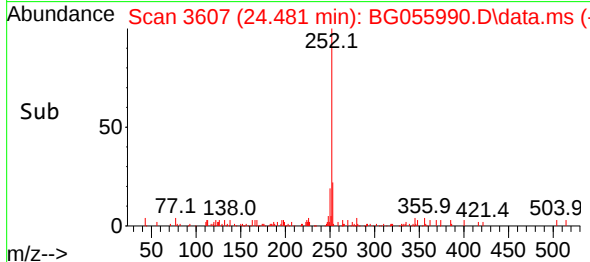
Instrument :
BNA_G
ClientSampleId :
ORA-1509



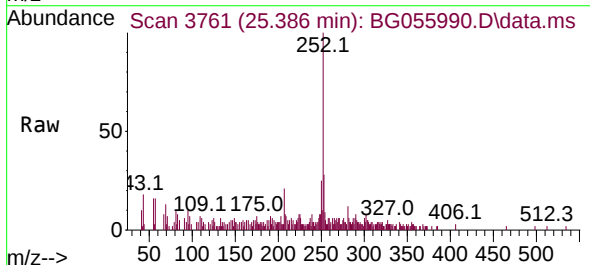
Tgt Ion:252 Resp: 21502
Ion Ratio Lower Upper
252 100
253 28.5 18.2 27.2#
125 5.8 2.0 3.0#

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 9.727 ng
RT: 25.386 min Scan# 3761
Delta R.T. 0.035 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59



Tgt Ion:252 Resp: 24916
Ion Ratio Lower Upper
252 100
253 27.6 17.7 26.5#
125 5.8 1.9 2.9#

