

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
 Data File : BG050799.D
 Acq On : 1 Nov 2021 15:12
 Operator : CG/JU
 Sample : M4422-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-102921

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/02/2021
 Supervised By :mohammad ahmed 11/03/2021

Quant Time: Nov 01 15:48:38 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 01 12:35:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.242	152	42829	20.000	ng	0.00
21) Naphthalene-d8	11.062	136	182982	20.000	ng	# 0.00
39) Acenaphthene-d10	14.858	164	115220	20.000	ng	0.00
64) Phenanthrene-d10	17.607	188	240175	20.000	ng	# 0.00
76) Chrysene-d12	21.908	240	205322	20.000	ng	# 0.00
86) Perylene-d12	25.316	264	209079	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.774	112	136633	47.711	ng	0.00
7) Phenol-d6	7.384	99	187578	45.240	ng	0.00
23) Nitrobenzene-d5	9.411	82	126468	28.611	ng	0.00
42) 2,4,6-Tribromophenol	16.344	330	49089	44.667	ng	0.00
45) 2-Fluorobiphenyl	13.483	172	219566	28.680	ng	0.00
79) Terphenyl-d14	20.193	244	303154	28.774	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.115	128	28741	2.934	ng	97
37) 2-Methylnaphthalene	12.701	142	13554	2.006	ng	90
49) Acenaphthylene	14.587	152	47468	4.489	ng	98
52) Acenaphthene	14.922	154	31838	4.686	ng	# 82
55) Dibenzofuran	15.257	168	35002	3.331	ng	97
58) Fluorene	15.903	166	56512	7.001	ng	# 94
71) Phenanthrene	17.648	178	544393	43.014	ng	98
72) Anthracene	17.737	178	157770	12.545	ng	98
73) Carbazole	18.007	167	27990	2.233	ng	# 94
75) Fluoranthene	19.652	202	826944	53.153	ng	96
78) Pyrene	20.010	202	880139	60.418	ng	95
81) Benzo(a)anthracene	21.885	228	414601	30.517	ng	98
83) Chrysene	21.955	228	397885m	31.135	ng	
87) Indeno(1,2,3-cd)pyrene	29.235	276	206319	14.168	ng	# 91
88) Benzo(b)fluoranthene	24.229	252	441791	34.503	ng	# 90
89) Benzo(k)fluoranthene	24.294	252	122941m	9.760	ng	
90) Benzo(a)pyrene	25.157	252	362650	33.311	ng	# 93
91) Dibenzo(a,h)anthracene	29.288	278	57813	4.800	ng	# 81
92) Benzo(g,h,i)perylene	30.463	276	212263	17.993	ng	# 91

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

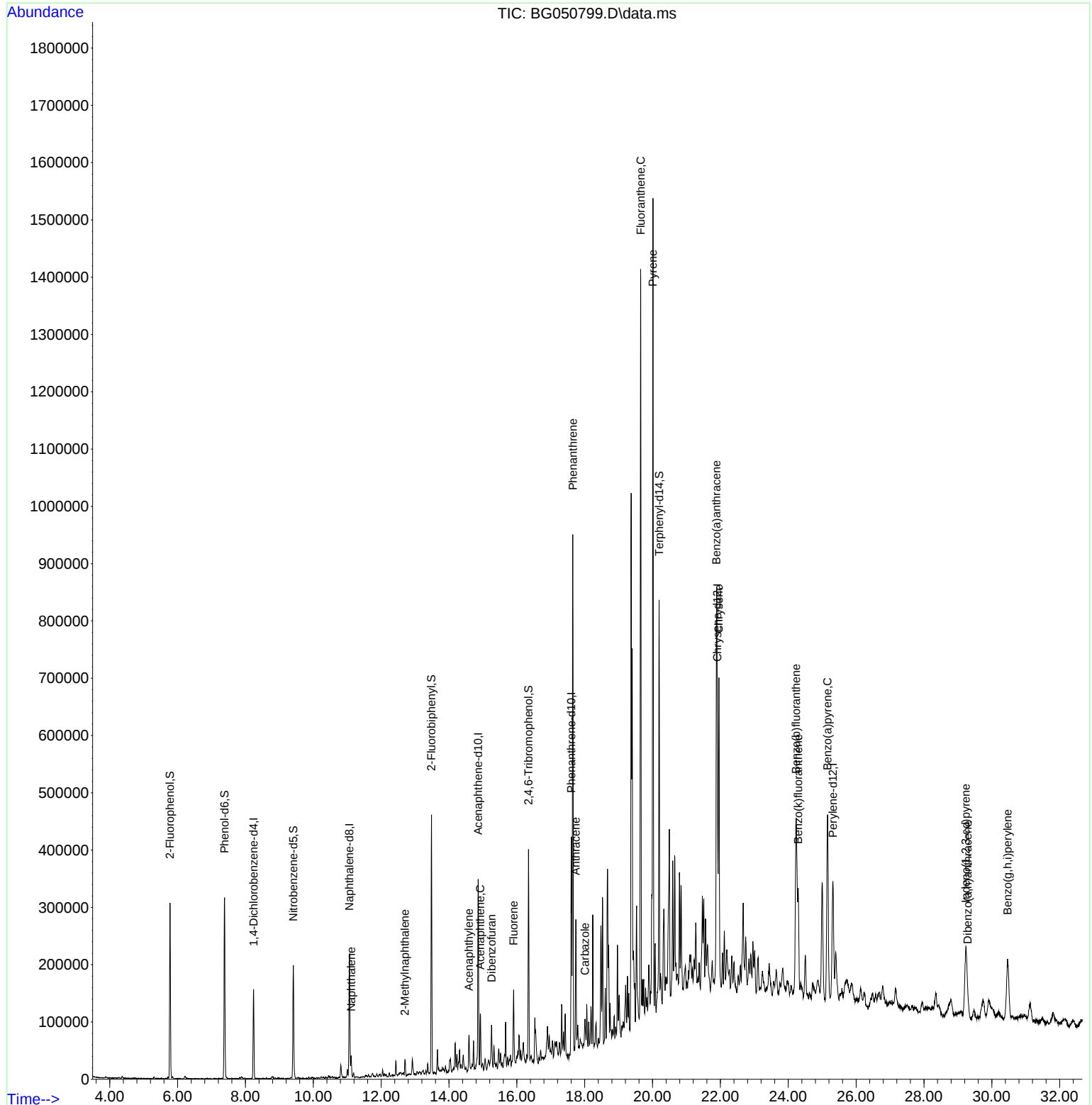
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

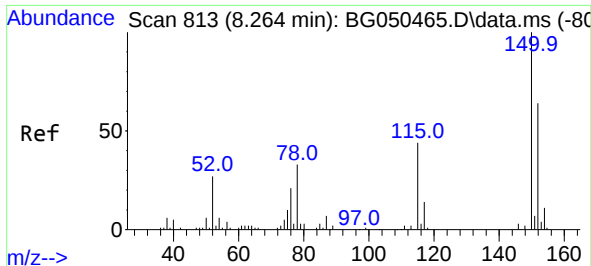
Instrument :
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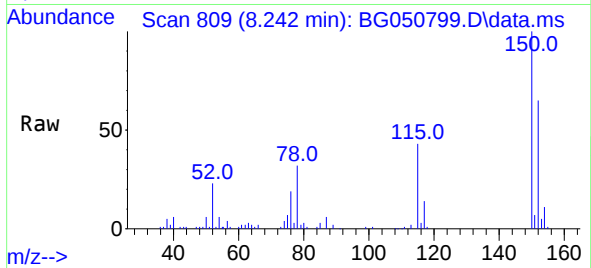
Quant Time: Nov 01 15:48:38 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 01 12:35:42 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.242 min Scan# 809
Delta R.T. 0.001 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

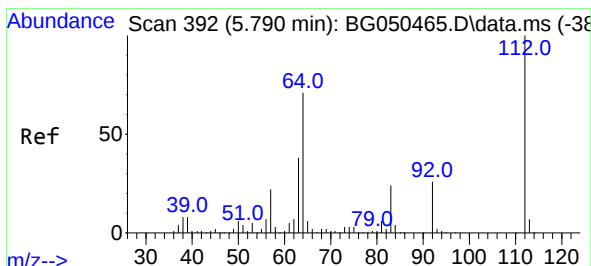
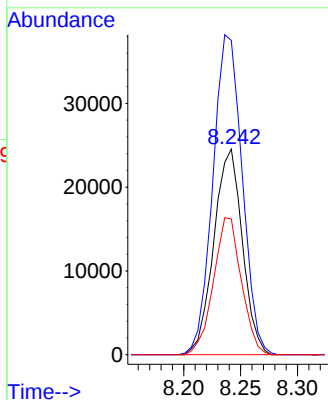
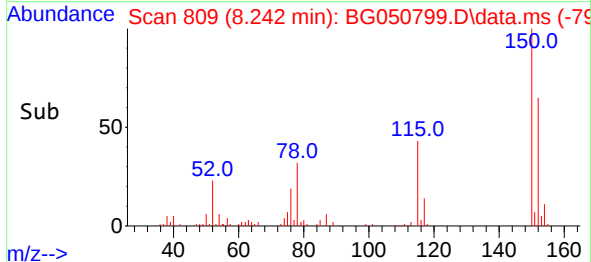
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BNA_G
ClientSampleId :
OR-03-102921



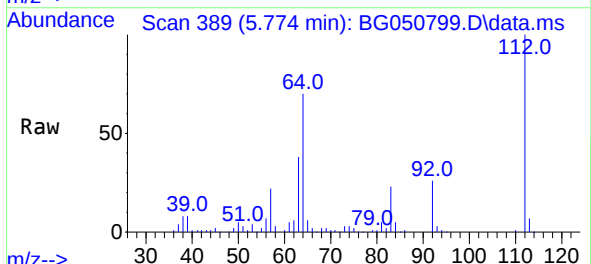
Tgt Ion:152 Resp: 42829
Ion Ratio Lower Upper
152 100
150 152.9 119.4 179.0
115 66.1 60.2 90.4

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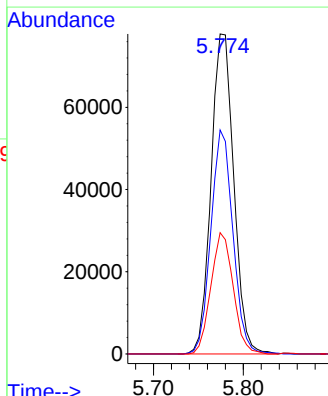
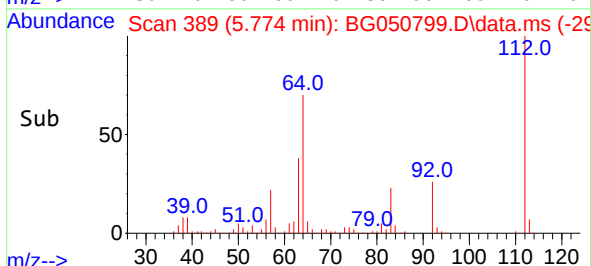
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021

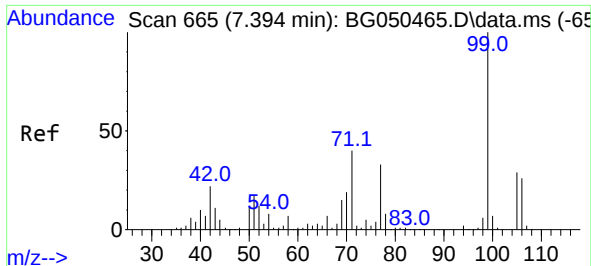


#5
2-Fluorophenol
Concen: 47.711 ng
RT: 5.774 min Scan# 389
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12



Tgt Ion:112 Resp: 136633
Ion Ratio Lower Upper
112 100
64 70.0 46.7 70.1
63 37.9 35.3 52.9





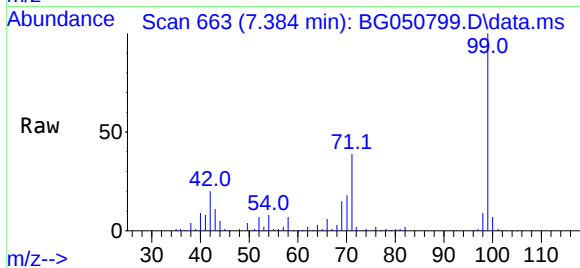
#7
Phenol-d6
Concen: 45.240 ng
RT: 7.384 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Instrument :

BNA_G

ClientSampleId :

OR-03-102921

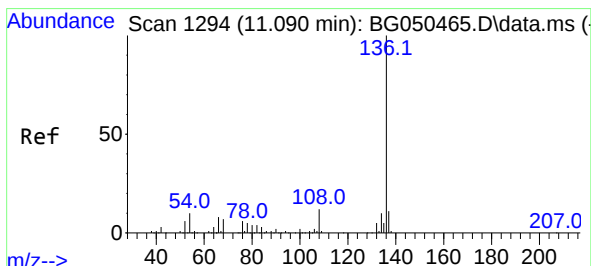
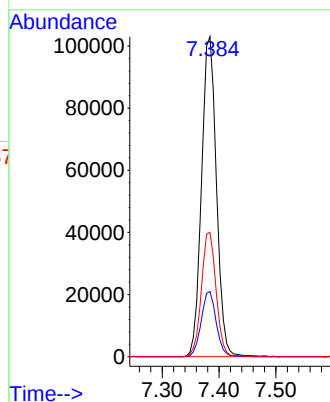
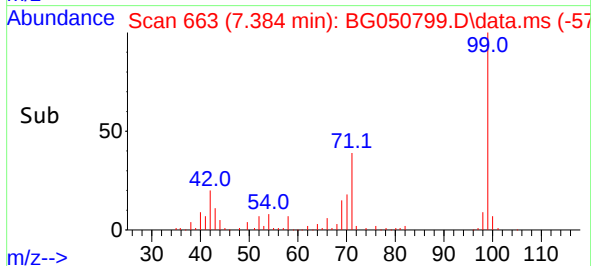


Tgt Ion: 99 Resp: 187578
Ion Ratio Lower Upper
99 100
42 20.3 20.5 30.7
71 38.8 41.5 62.3

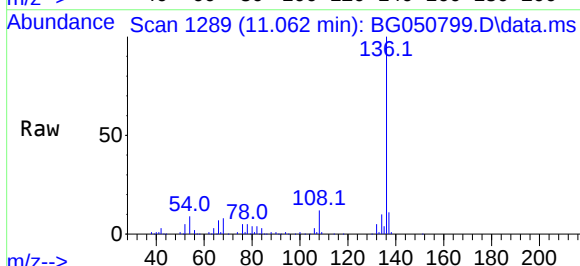
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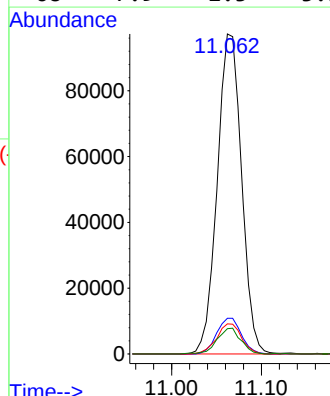
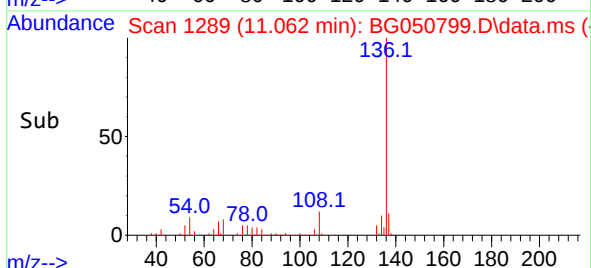
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021

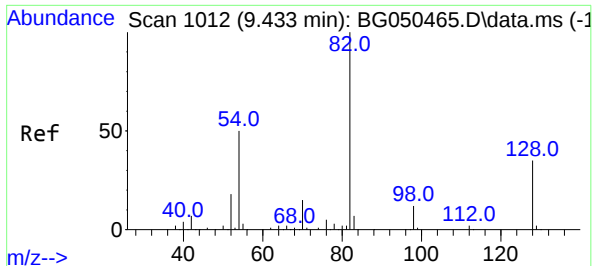


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.062 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12



Tgt Ion:136 Resp: 182982
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.2
54 9.4 5.5 8.3#
68 7.9 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 28.611 ng

RT: 9.411 min Scan# 1012

Delta R.T. 0.000 min

Lab File: BG050799.D

Acq: 1 Nov 2021 15:12

Instrument :

BNA_G

ClientSampleId :

OR-03-102921

Tgt Ion: 82 Resp: 126468

Ion Ratio Lower Upper

82 100

128 38.0 29.8 44.6

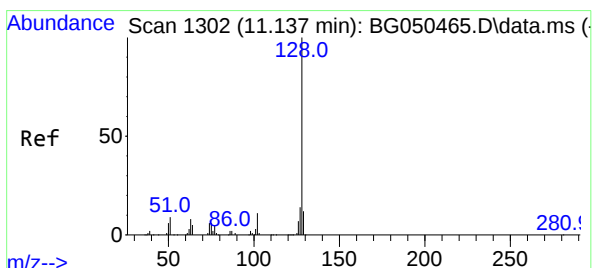
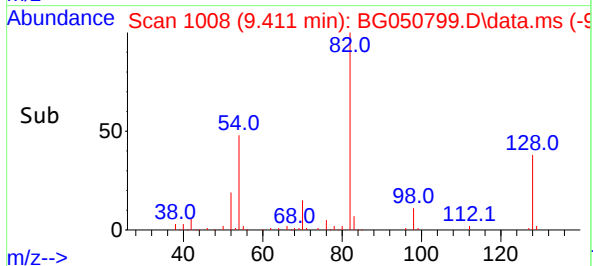
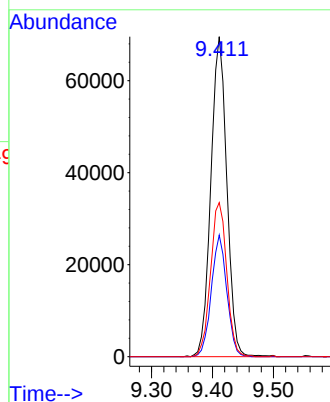
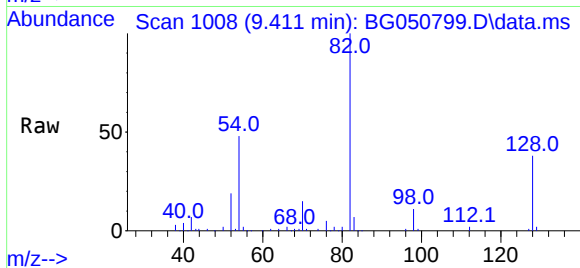
54 48.1 45.8 68.8

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#31

Naphthalene

Concen: 2.934 ng

RT: 11.115 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BG050799.D

Acq: 1 Nov 2021 15:12

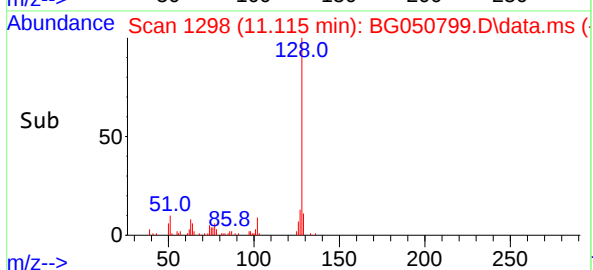
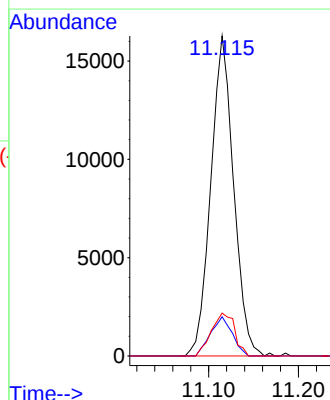
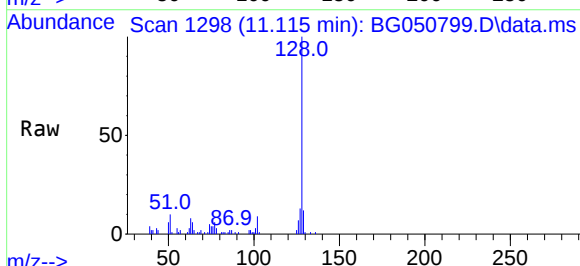
Tgt Ion:128 Resp: 28741

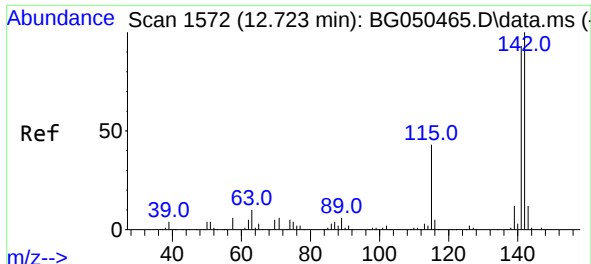
Ion Ratio Lower Upper

128 100

129 12.3 8.5 12.7

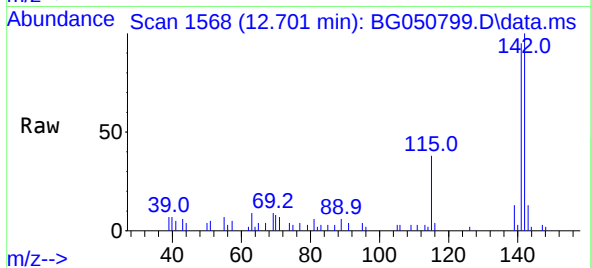
127 13.4 10.2 15.4





#37
2-Methylnaphthalene
Concen: 2.006 ng
RT: 12.701 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

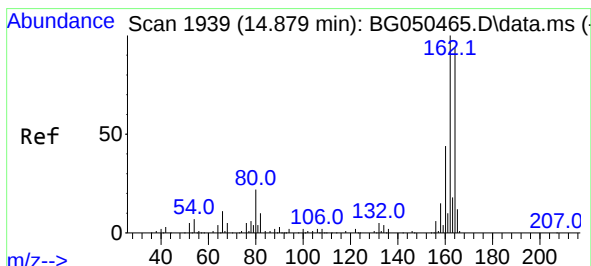
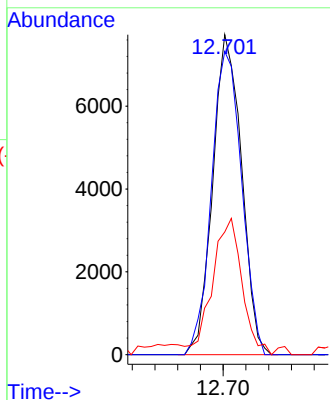
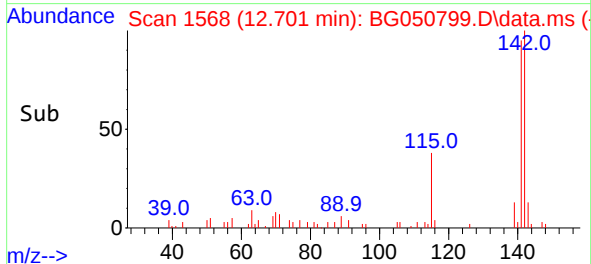
Instrument :
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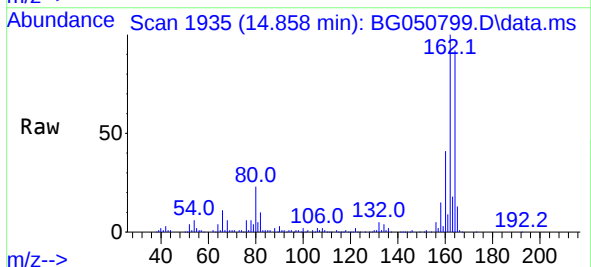
Tgt Ion:142 Resp: 13554
Ion Ratio Lower Upper
142 100
141 94.7 68.8 103.2
115 38.3 36.4 54.6

Manual Integrations
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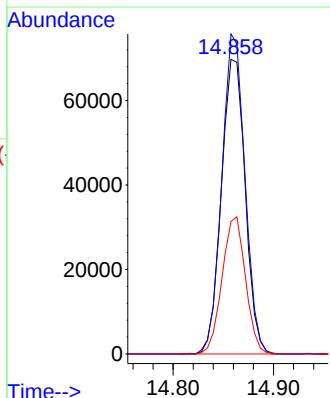
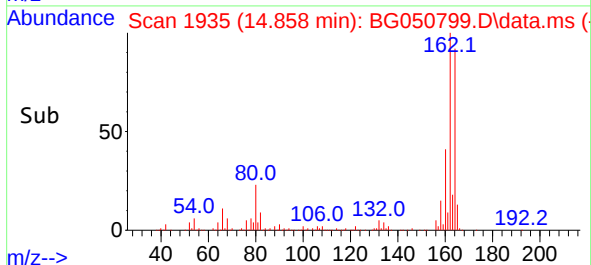
Reviewed By :Jagrut Upadhyay 11/02/2021
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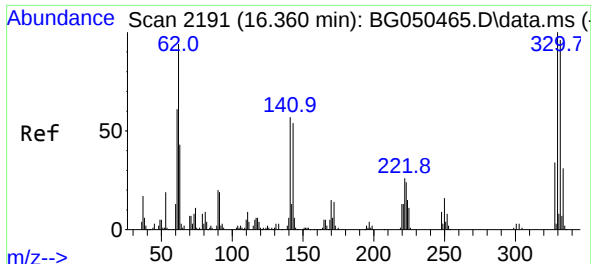


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.858 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12



Tgt Ion:164 Resp: 115220
Ion Ratio Lower Upper
164 100
162 108.6 81.4 122.0
160 45.0 34.9 52.3





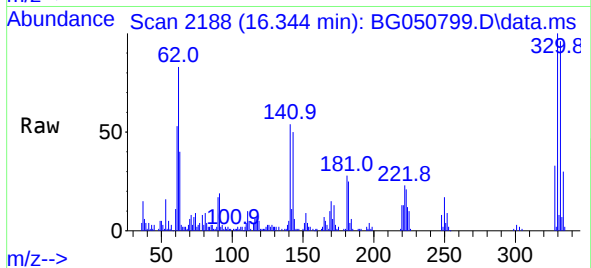
#42
2,4,6-Tribromophenol
Concen: 44.667 ng
RT: 16.344 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Instrument :

BNA_G

ClientSampleId :

OR-03-102921

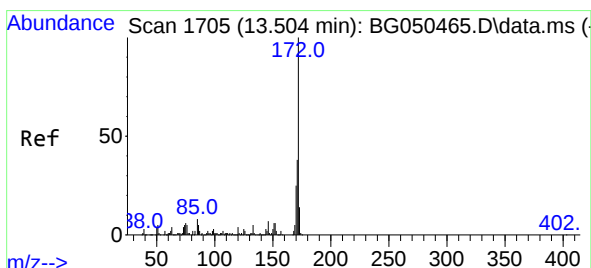
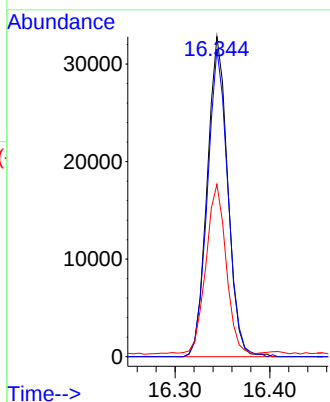
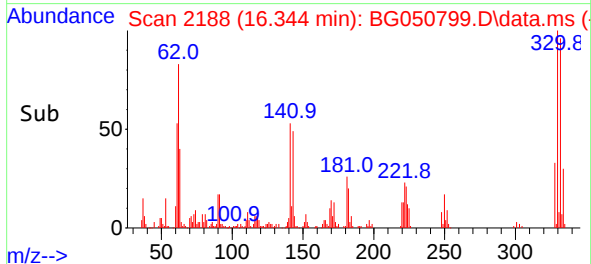


Tgt Ion:330 Resp: 49089
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 52.3 35.6 53.4

Manual Integrations

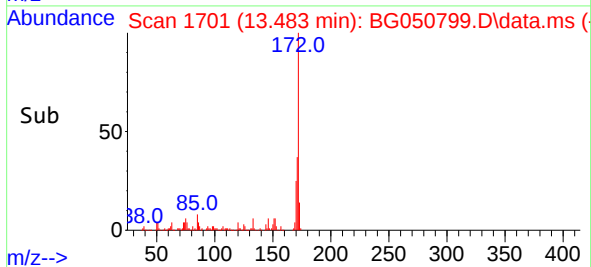
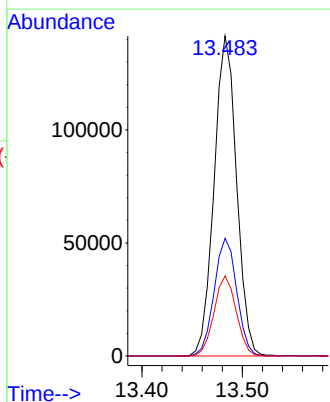
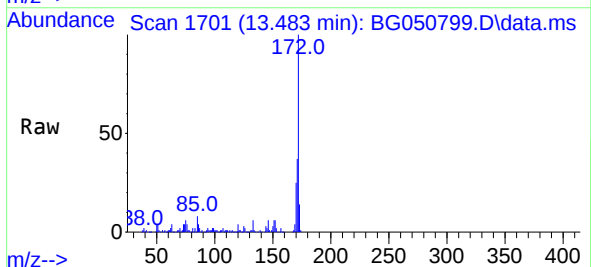
APPROVED

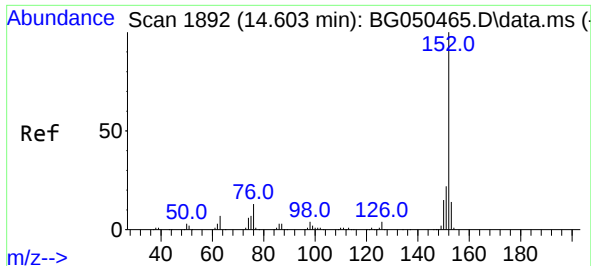
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021



#45
2-Fluorobiphenyl
Concen: 28.680 ng
RT: 13.483 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Tgt Ion:172 Resp: 219566
Ion Ratio Lower Upper
172 100
171 36.8 28.6 43.0
170 25.0 18.6 27.8





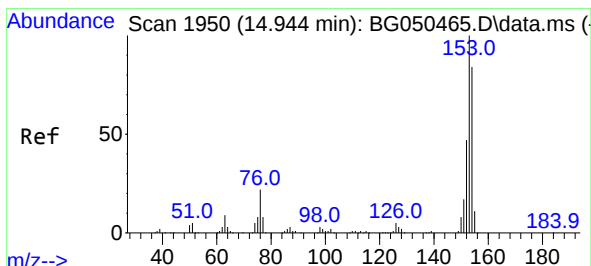
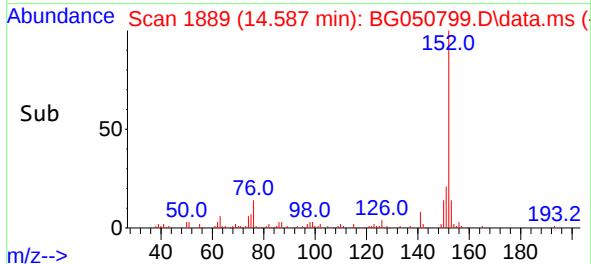
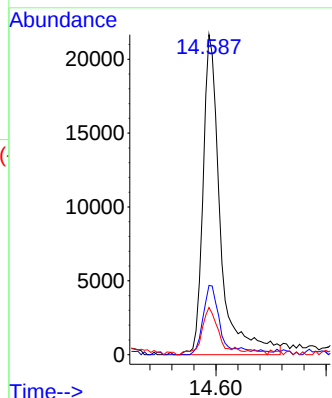
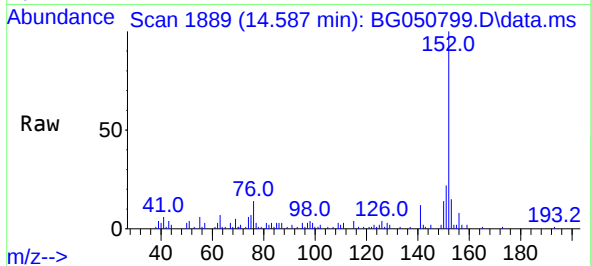
#49
Acenaphthylene
Concen: 4.489 ng
RT: 14.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

Tgt Ion:152 Resp: 47468
Ion Ratio Lower Upper
152 100
151 21.6 18.2 27.4
153 14.7 11.7 17.5

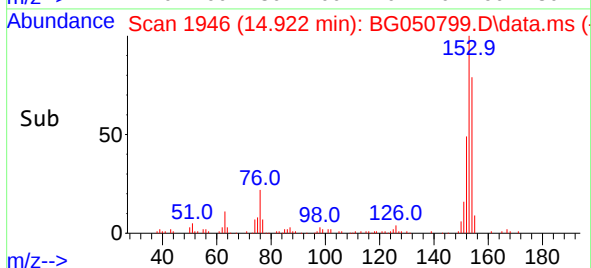
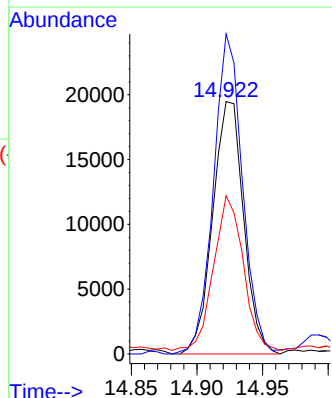
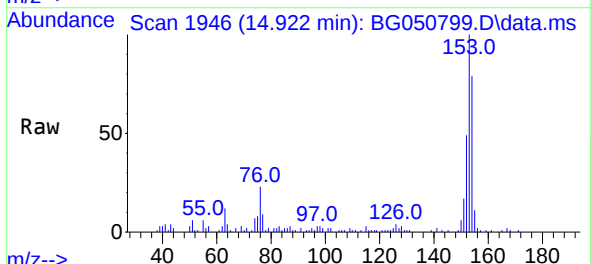
Manual Integrations
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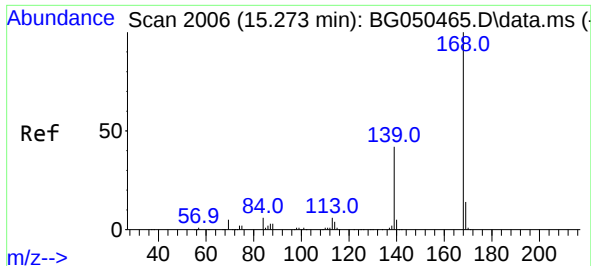
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021



#52
Acenaphthene
Concen: 4.686 ng
RT: 14.922 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Tgt Ion:154 Resp: 31838
Ion Ratio Lower Upper
154 100
153 126.8 87.0 130.4
152 62.7 40.1 60.1#





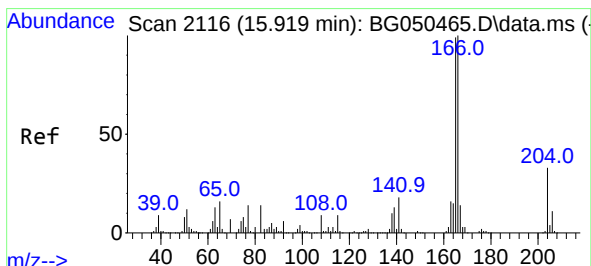
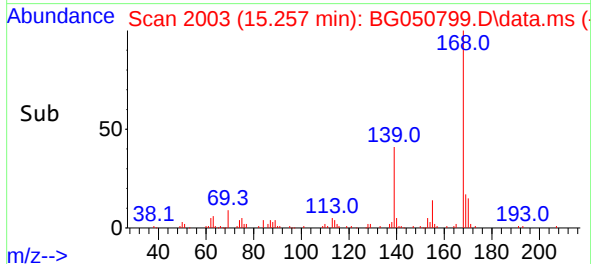
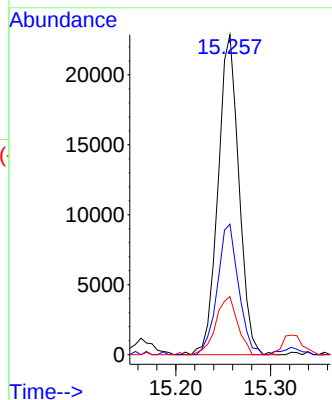
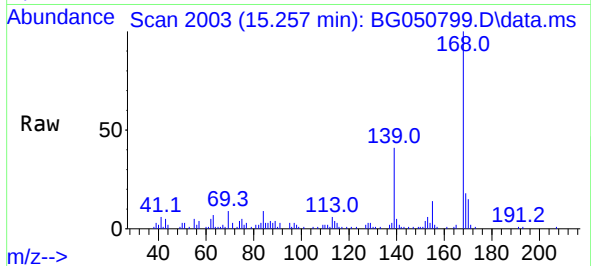
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Dibenzenofuran
Concen: 3.331 ng
RT: 15.257 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

Tgt Ion:168 Resp: 3500
Ion Ratio Lower Upper
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139 40.8 33.4 50.2
169 18.1 12.3 18.5

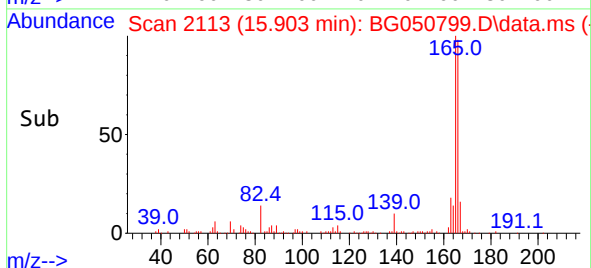
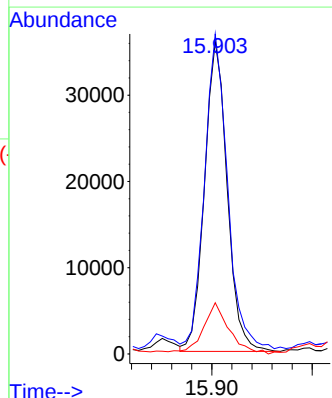
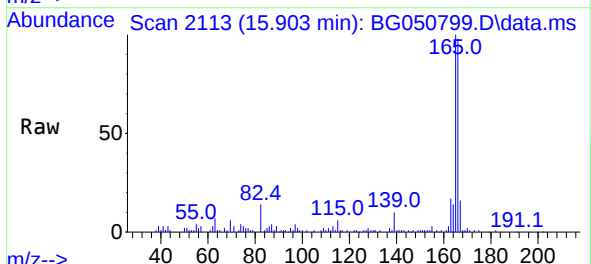
Manual Integrations
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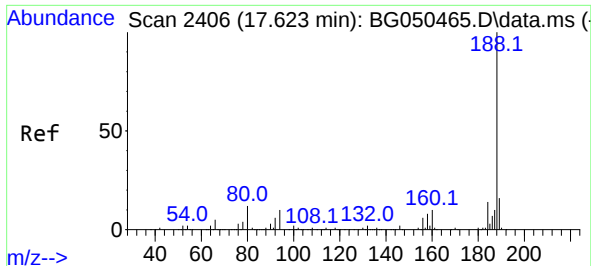
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021



#58
Fluorene
Concen: 7.001 ng
RT: 15.903 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Tgt Ion:166 Resp: 56512
Ion Ratio Lower Upper
166 100
165 102.5 77.7 116.5
167 16.4 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.607 min Scan# 24017
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Instrument :

BNA_G

ClientSampleId :

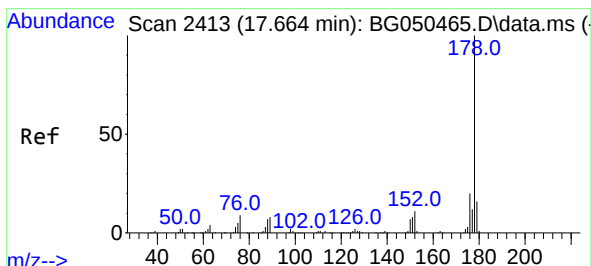
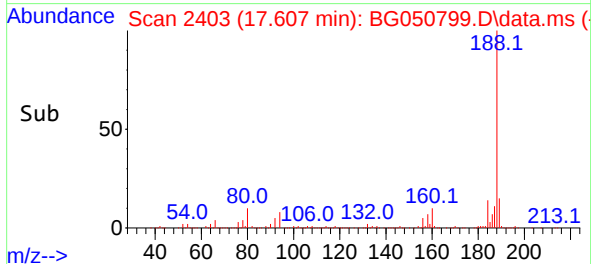
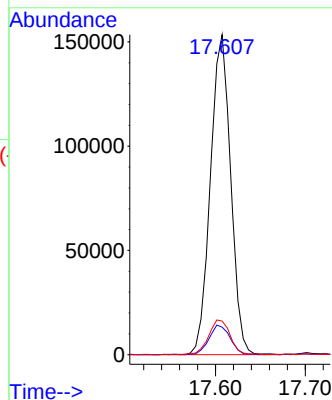
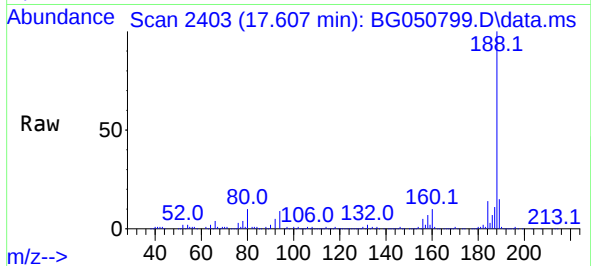
OR-03-102921

Tgt Ion:188 Resp: 24017
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0
80 10.5 3.7 5.5

Manual Integrations

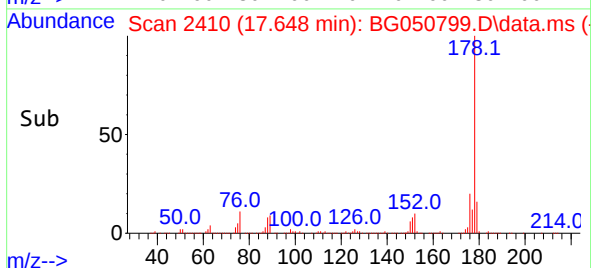
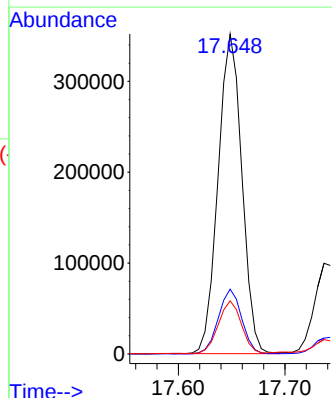
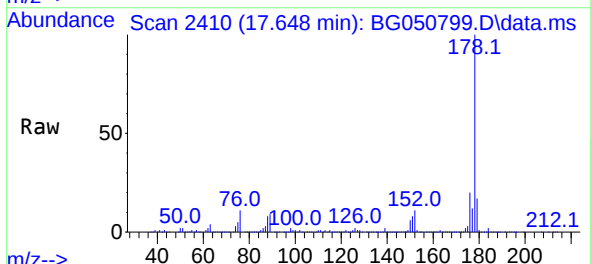
APPROVED

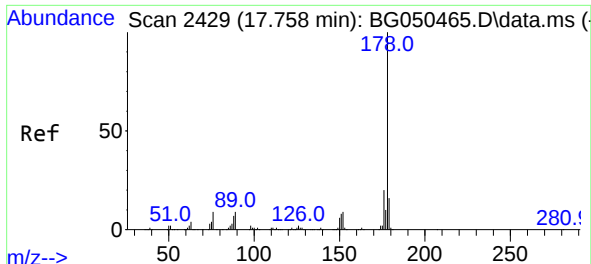
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021



#71
Phenanthrene
Concen: 43.014 ng
RT: 17.648 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

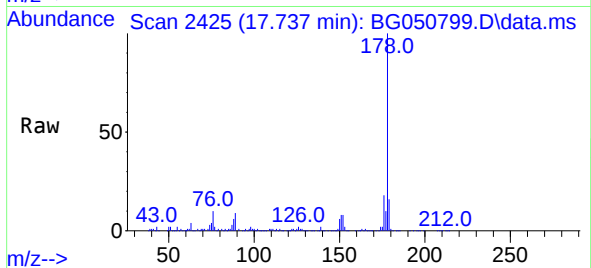
Tgt Ion:178 Resp: 544393
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 16.6 14.2 21.4





#72
 Anthracene
 Concen: 12.545 ng
 RT: 17.737 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BG050799.D
 Acq: 1 Nov 2021 15:12

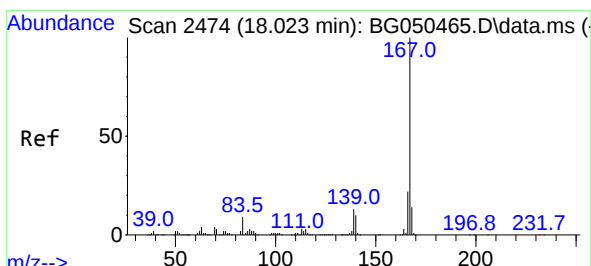
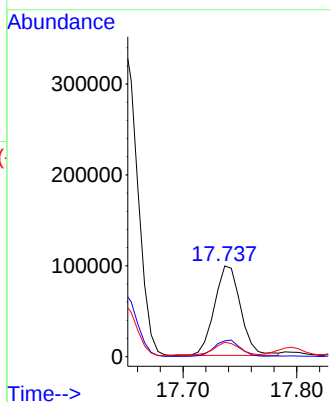
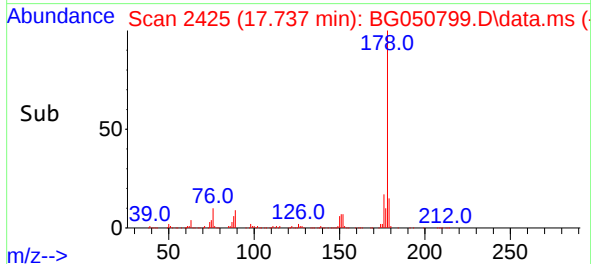
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-102921



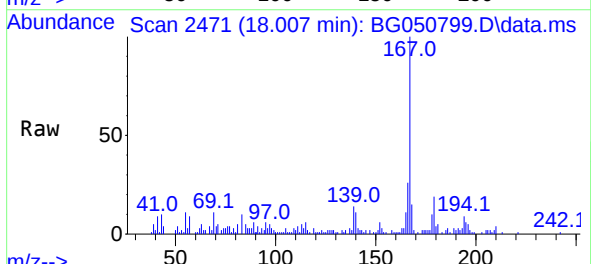
Tgt Ion:178 Resp: 157770
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.6 21.8
 179 15.9 13.4 20.0

Manual Integrations
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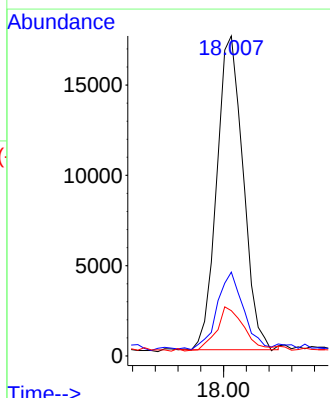
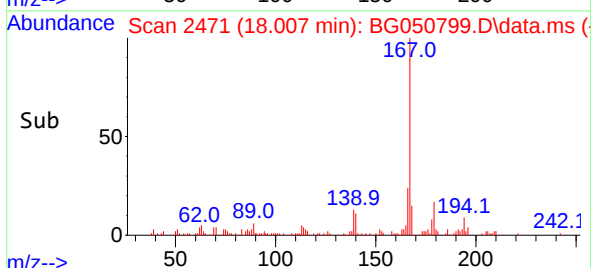
Reviewed By :Jagrut Upadhyay 11/02/2021
 Supervised By :mohammad ahmed 11/03/2021

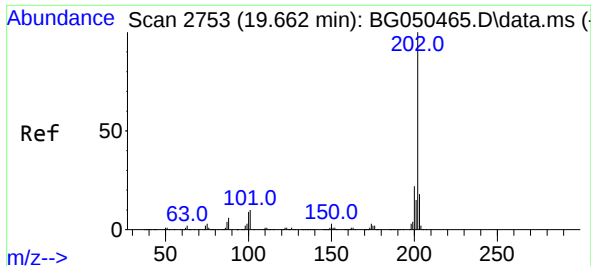


#73
 Carbazole
 Concen: 2.233 ng
 RT: 18.007 min Scan# 2471
 Delta R.T. 0.000 min
 Lab File: BG050799.D
 Acq: 1 Nov 2021 15:12



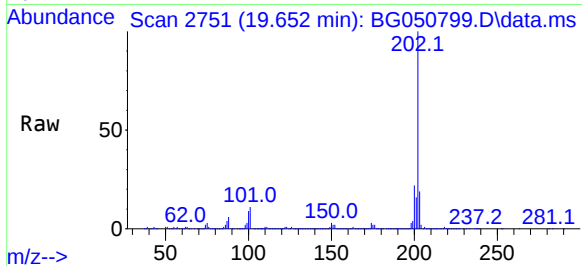
Tgt Ion:167 Resp: 27990
 Ion Ratio Lower Upper
 167 100
 166 26.2 17.4 26.2#
 139 14.1 10.7 16.1





#75
Fluoranthene
Concen: 53.153 ng
RT: 19.652 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

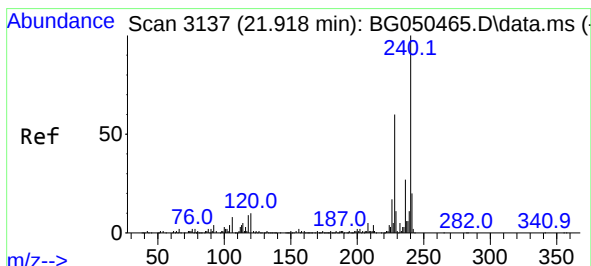
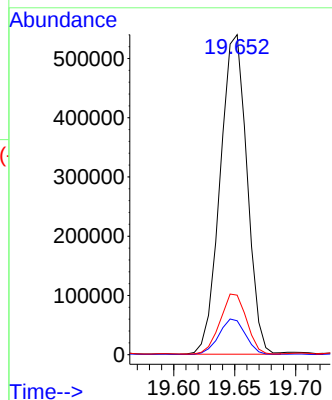
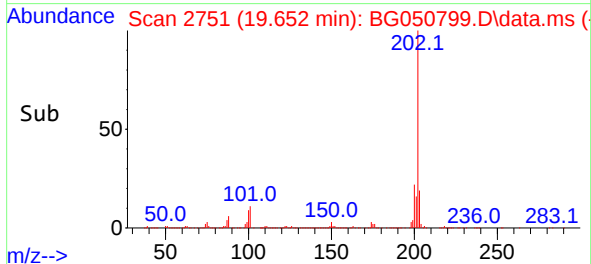
Instrument :
BNA_G
ClientSampleId :
OR-03-102921



Tgt Ion:202 Resp: 826944
Ion Ratio Lower Upper
202 100
101 10.6 0.0 24.7
203 18.6 0.0 38.5

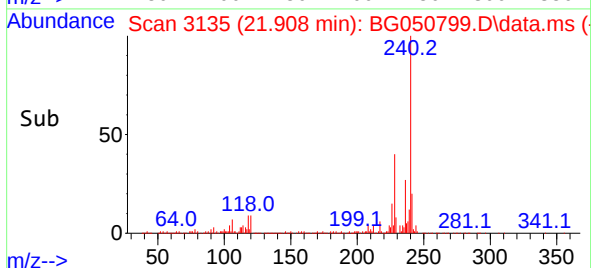
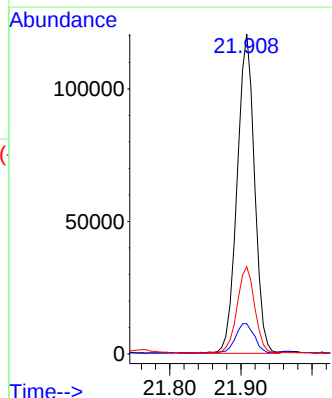
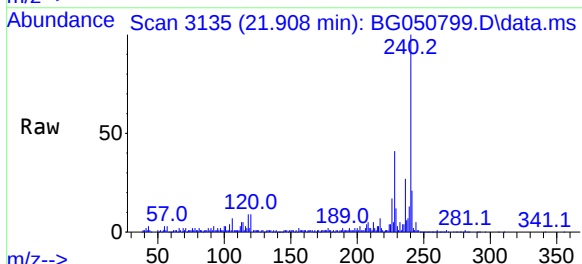
Manual Integrations
APPROVED

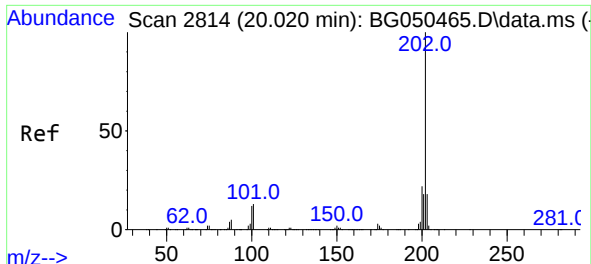
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.908 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

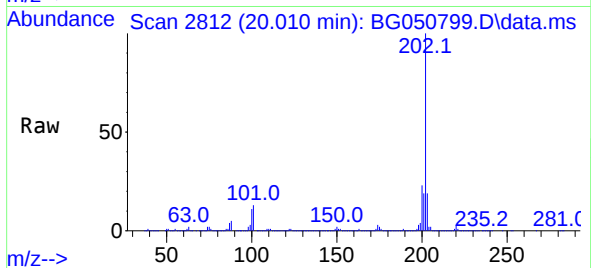
Tgt Ion:240 Resp: 205322
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2#
236 27.3 21.8 32.6





#78
Pyrene
Concen: 60.418 ng
RT: 20.010 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

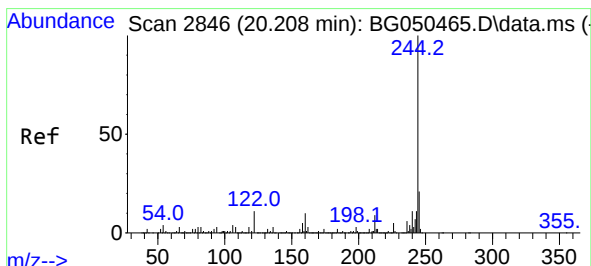
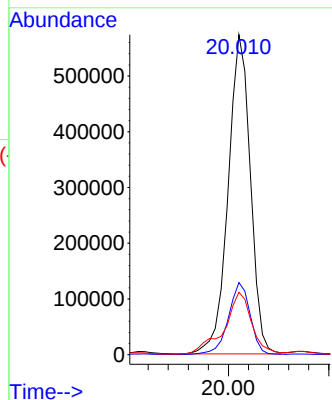
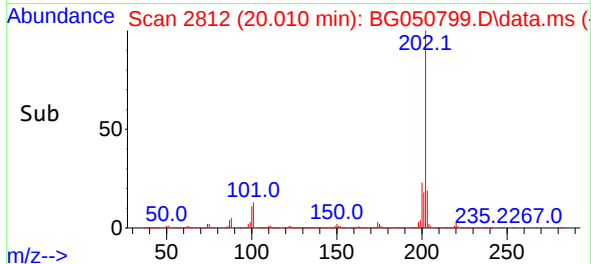
Instrument :
BNA_G
ClientSampleId :
OR-03-102921



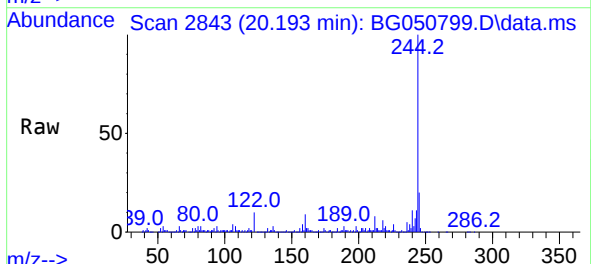
Tgt Ion:202 Resp: 880139
Ion Ratio Lower Upper
202 100
200 22.5 15.8 23.8
203 19.5 14.6 21.8

Manual Integrations
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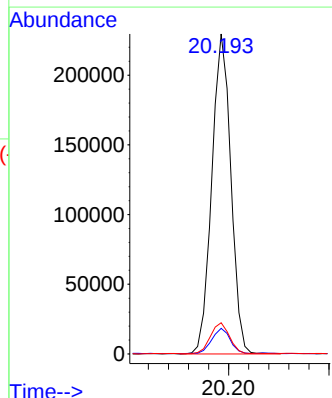
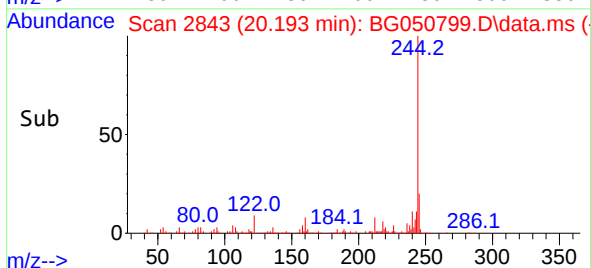
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021

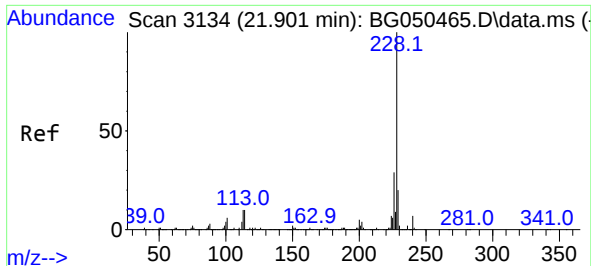


#79
Terphenyl-d14
Concen: 28.774 ng
RT: 20.193 min Scan# 2843
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12



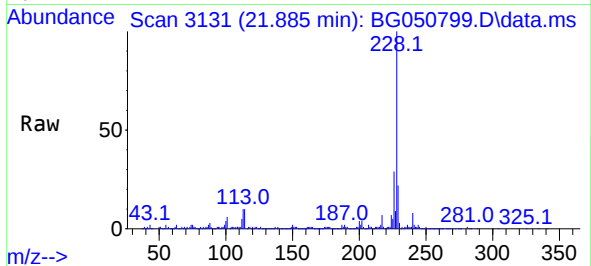
Tgt Ion:244 Resp: 303154
Ion Ratio Lower Upper
244 100
212 8.0 6.9 10.3
122 9.8 5.0 7.6





#81
Benzo(a)anthracene
Concen: 30.517 ng
RT: 21.885 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

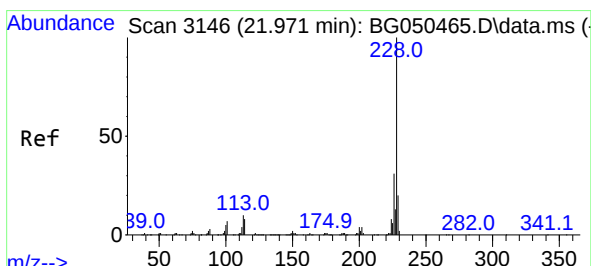
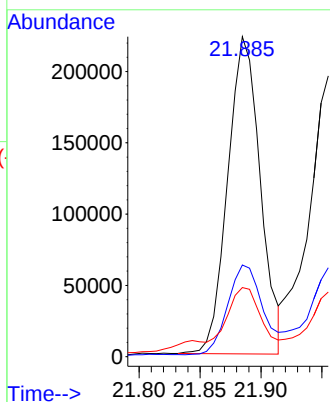
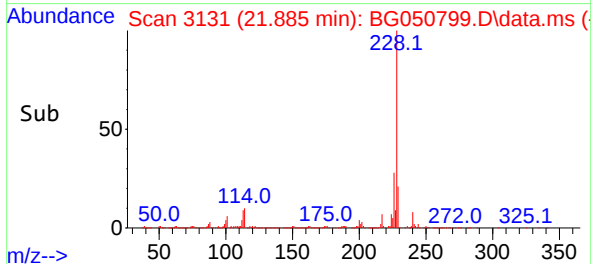
Instrument :
BNA_G
ClientSampleId :
OR-03-102921



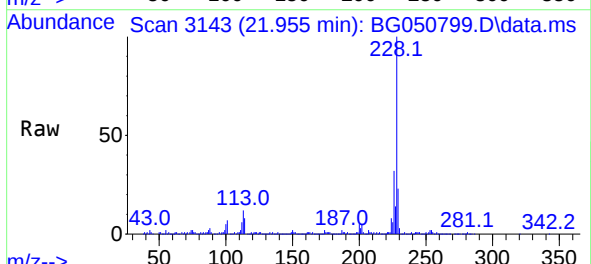
Tgt Ion:228 Resp: 41460
Ion Ratio Lower Upper
228 100
226 28.6 22.7 34.1
229 21.6 16.0 24.0

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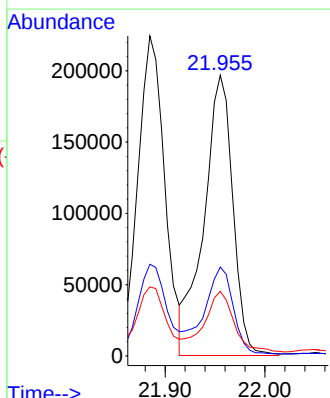
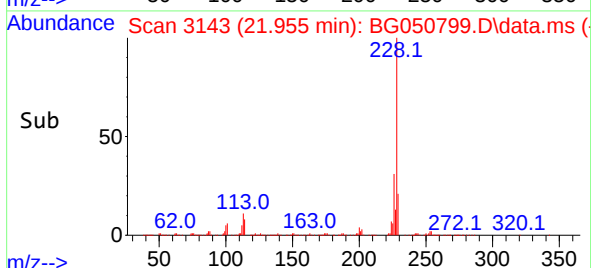
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021

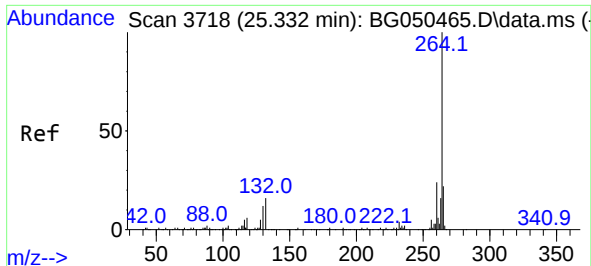


#83
Chrysene
Concen: 31.135 ng m
RT: 21.955 min Scan# 3143
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12



Tgt Ion:228 Resp: 397885
Ion Ratio Lower Upper
228 100
226 31.7 23.1 34.7
229 23.0 15.3 22.9#





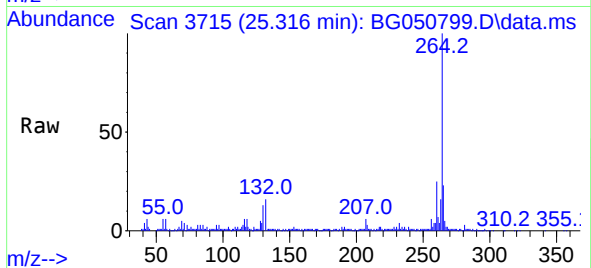
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.316 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Instrument :

BNA_G

ClientSampleId :

OR-03-102921

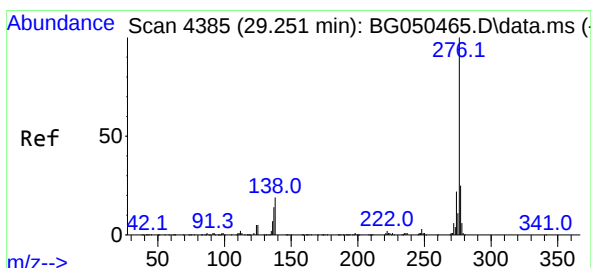
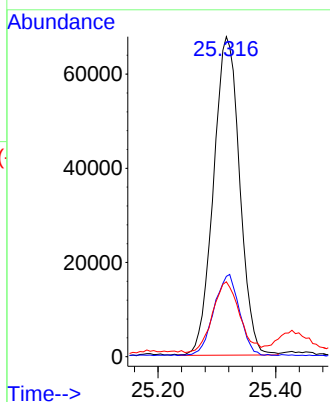
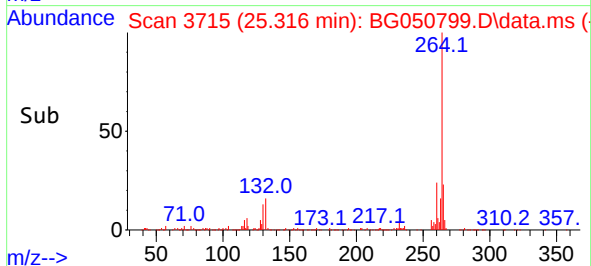


Tgt Ion:264 Resp: 209079
Ion Ratio Lower Upper
264 100
260 25.1 19.4 29.2
265 23.4 16.9 25.3

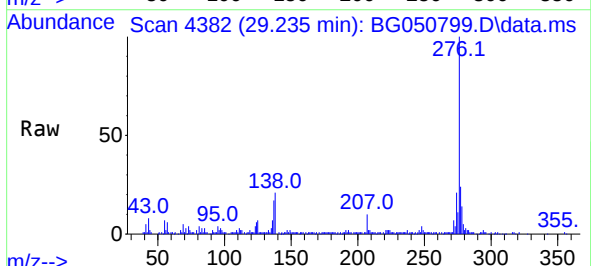
Manual Integrations

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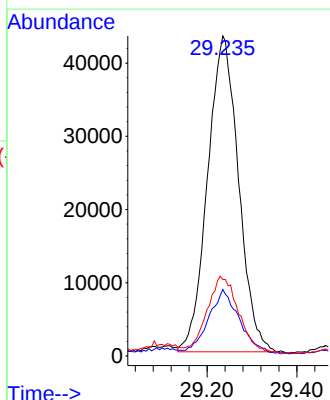
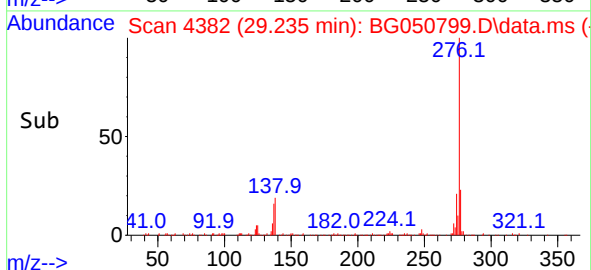
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021

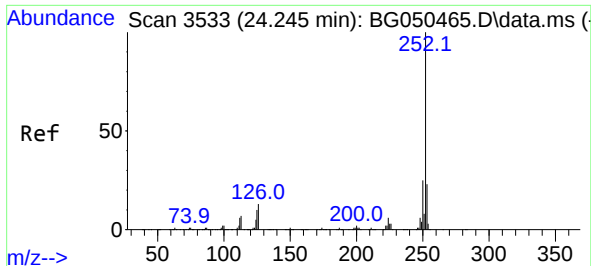


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.168 ng
RT: 29.235 min Scan# 4382
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12



Tgt Ion:276 Resp: 206319
Ion Ratio Lower Upper
276 100
138 20.0 5.1 7.7#
277 25.5 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 34.503 ng
RT: 24.229 min Scan# 3530
Delta R.T. 0.006 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

Instrument :

BNA_G

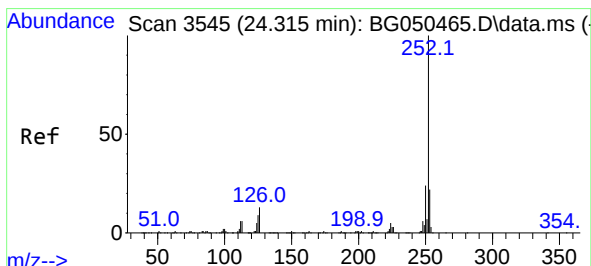
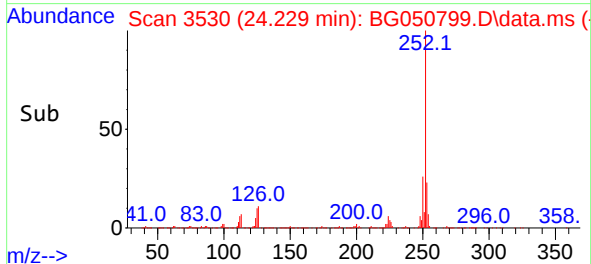
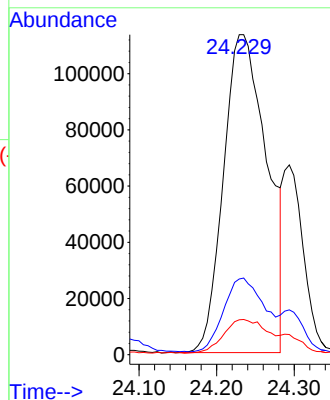
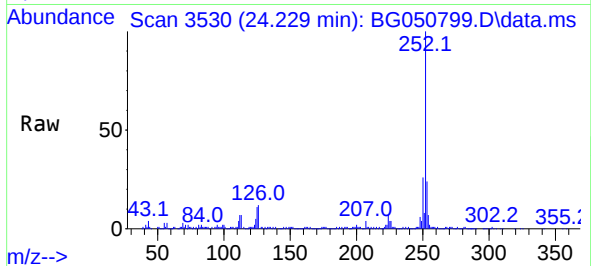
ClientSampleId :

OR-03-102921

Tgt Ion:252 Resp: 44179
Ion Ratio Lower Upper
252 100
253 23.6 16.2 24.4
125 10.9 3.0 4.4

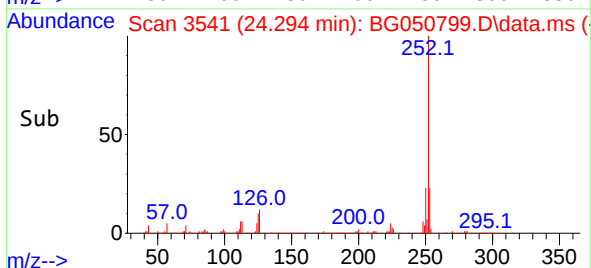
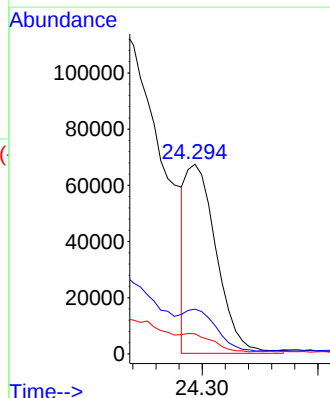
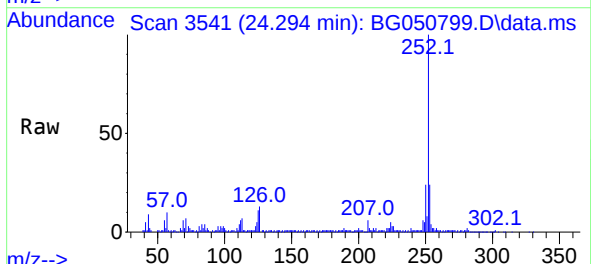
Manual Integrations
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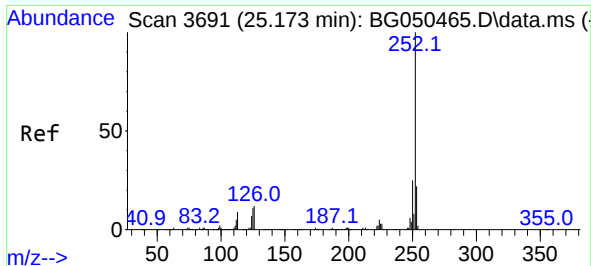
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021



#89
Benzo(k)fluoranthene
Concen: 9.760 ng m
RT: 24.294 min Scan# 3541
Delta R.T. 0.000 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

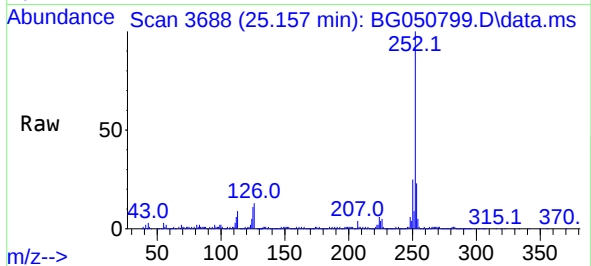
Tgt Ion:252 Resp: 122941
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 10.6 3.1 4.7





#90
Benzo(a)pyrene
Concen: 33.311 ng
RT: 25.157 min Scan# 3688
Delta R.T. 0.006 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12

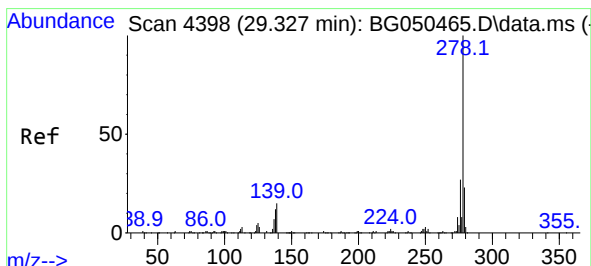
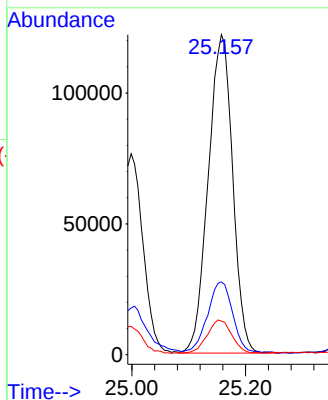
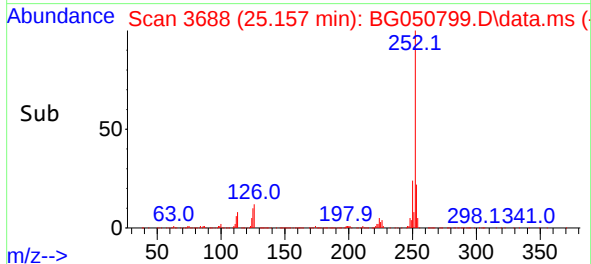
Instrument :
BNA_G
ClientSampleId :
OR-03-102921



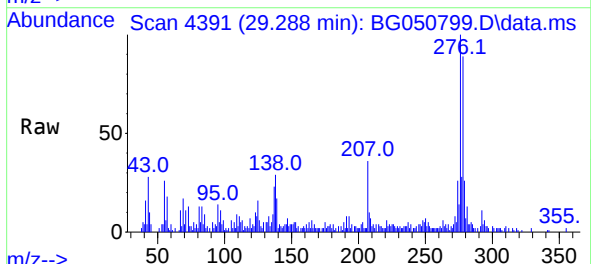
Tgt Ion:252 Resp: 362650
Ion Ratio Lower Upper
252 100
253 22.7 16.6 25.0
125 10.5 3.5 5.3

Manual Integrations
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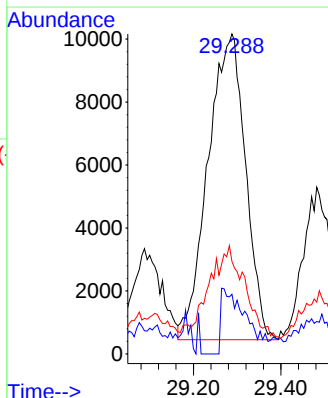
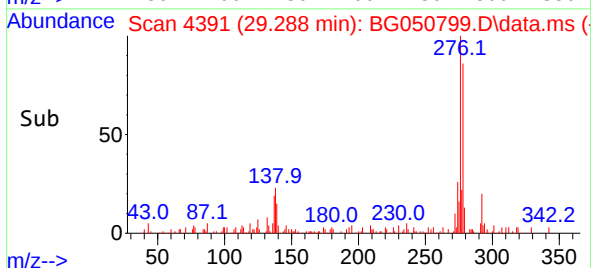
Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021

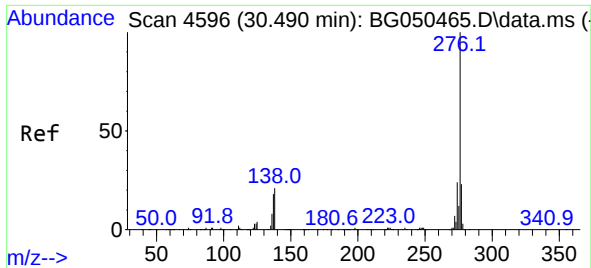


#91
Dibenzo(a,h)anthracene
Concen: 4.800 ng
RT: 29.288 min Scan# 4391
Delta R.T. -0.017 min
Lab File: BG050799.D
Acq: 1 Nov 2021 15:12



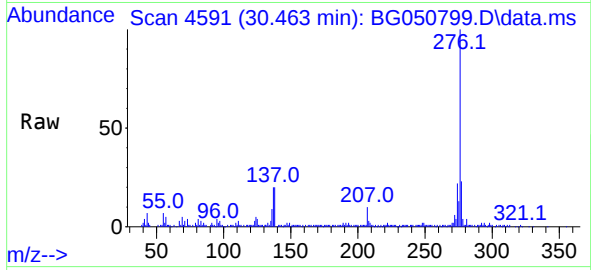
Tgt Ion:278 Resp: 57813
Ion Ratio Lower Upper
278 100
139 18.7 4.6 6.8#
279 28.9 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 17.993 ng
 RT: 30.463 min Scan# 4591
 Delta R.T. -0.006 min
 Lab File: BG050799.D
 Acq: 1 Nov 2021 15:12

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-102921



Tgt Ion: 276 Resp: 21226

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.4	27.6
138	19.6	7.0	10.6

Manual Integrations
 APPROVED

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