

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054441.D
 Acq On : 28 Jul 2022 21:24
 Operator : CG/JU
 Sample : N3918-01DL 100X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-07-26-2022DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 04:09:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	21049	20.000	ng	0.00
21) Naphthalene-d8	10.798	136	81748	20.000	ng	# 0.00
39) Acenaphthene-d10	14.623	164	59966	20.000	ng	0.00
64) Phenanthrene-d10	17.373	188	147404	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	169093	20.000	ng	# 0.00
86) Perylene-d12	24.841	264	162571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	472	0.468	ng	0.00
7) Phenol-d6	7.185	99	406	0.294	ng	0.01
23) Nitrobenzene-d5	9.159	82	444	0.296	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	660	0.524	ng	0.00
45) 2-Fluorobiphenyl	13.248	172	1815	0.427	ng	0.00
79) Terphenyl-d14	19.976	244	4436	0.520	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.845	128	53270	12.981	ng	99
37) 2-Methylnaphthalene	12.449	142	14210	4.509	ng	93
38) 1-Methylnaphthalene	12.672	142	8943	2.912	ng	96
49) Acenaphthylene	14.347	152	10417	2.042	ng	94
52) Acenaphthene	14.688	154	25376	8.214	ng	98
55) Dibenzofuran	15.023	168	37939	6.902	ng	94
58) Fluorene	15.669	166	46446	10.277	ng	97
71) Phenanthrene	17.414	178	351061	47.824	ng	98
72) Anthracene	17.502	178	102423	14.219	ng	99
73) Carbazole	17.772	167	33220	5.601	ng	97
75) Fluoranthene	19.423	202	466693	46.639	ng	95
78) Pyrene	19.788	202	374351	38.583	ng	97
81) Benzo(a)anthracene	21.615	228	215051	20.035	ng	98
83) Chrysene	21.680	228	175795	17.335	ng	94
87) Indeno(1,2,3-cd)pyrene	28.513	276	76561m	6.190	ng	
88) Benzo(b)fluoranthene	23.830	252	231208	24.048	ng	# 96
89) Benzo(k)fluoranthene	23.889	252	79227m	8.280	ng	
90) Benzo(a)pyrene	24.694	252	161516	19.672	ng	# 97
92) Benzo(g,h,i)perylene	29.653	276	63748	6.351	ng	# 90

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

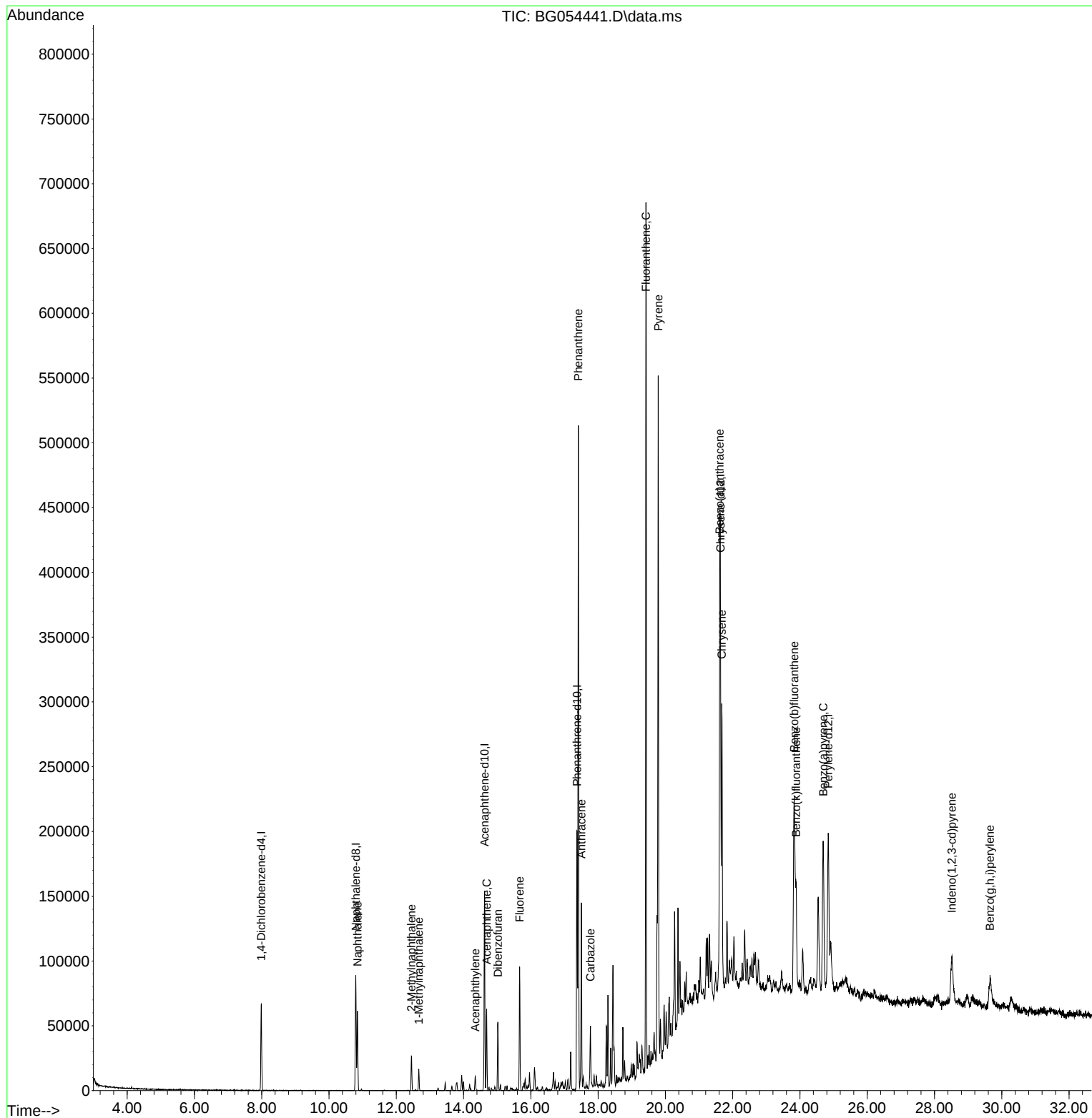
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
Data File : BG054441.D
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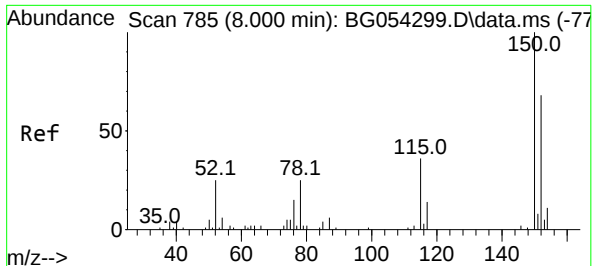
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Quant Time: Jul 29 04:09:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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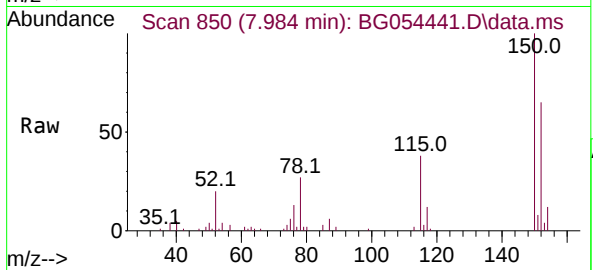
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.984 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

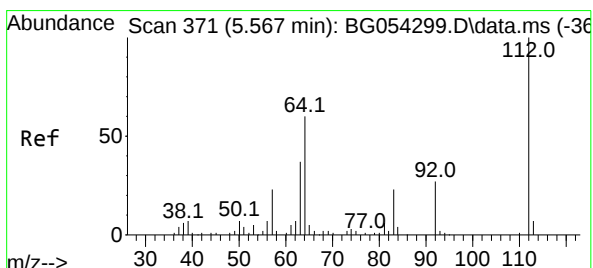
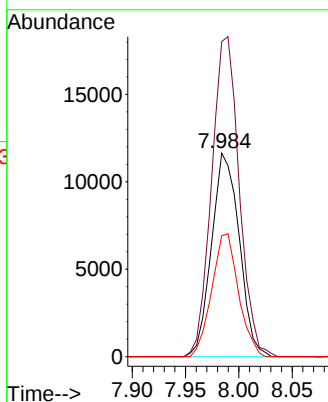
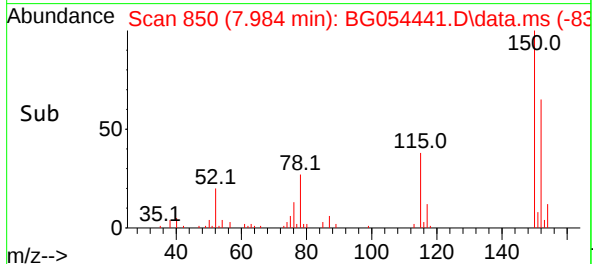
Instrument :
BNA_G
ClientSampleId :
OR-02-07-26-2022DL



Tgt Ion:152 Resp: 21049
Ion Ratio Lower Upper
152 100
150 154.9 131.6 197.4
115 59.5 50.9 76.3

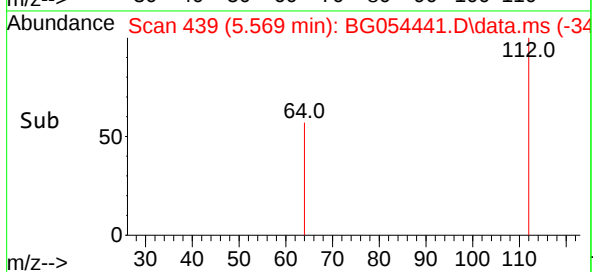
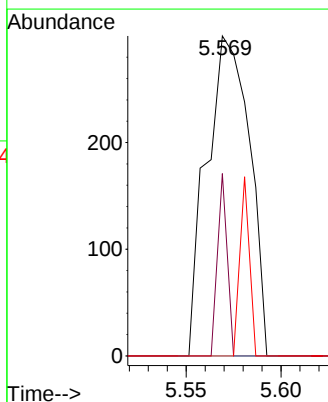
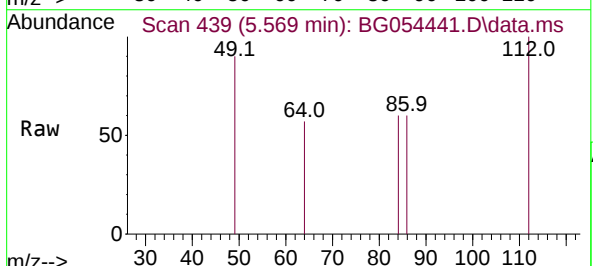
Manual Integrations
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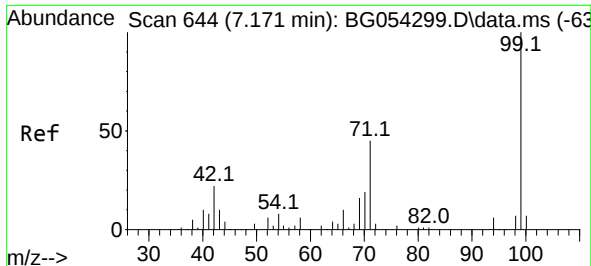
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#5
2-Fluorophenol
Concen: 0.468 ng
RT: 5.569 min Scan# 439
Delta R.T. 0.007 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

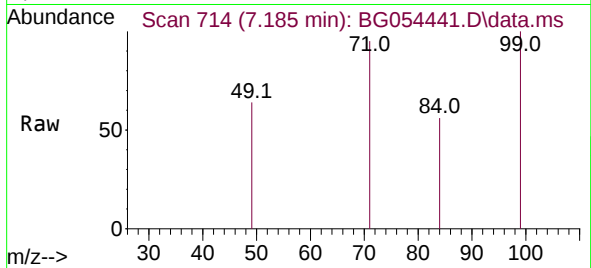
Tgt Ion:112 Resp: 472
Ion Ratio Lower Upper
112 100
64 57.0 55.1 82.7
63 0.0 30.4 45.6





#7
Phenol-d6
Concen: 0.294 ng
RT: 7.185 min Scan# 71
Delta R.T. 0.013 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

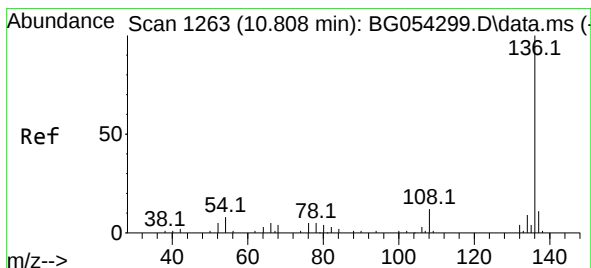
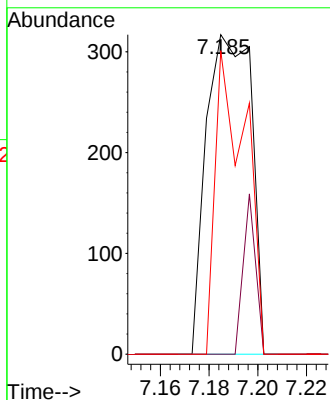
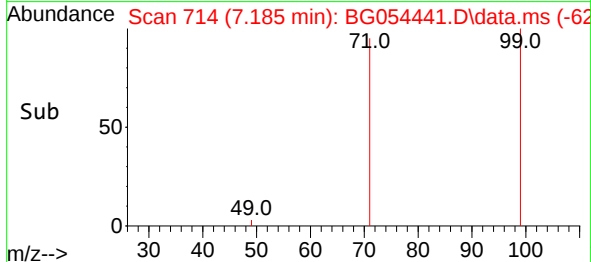
Instrument :
BNA_G
ClientSampleId :
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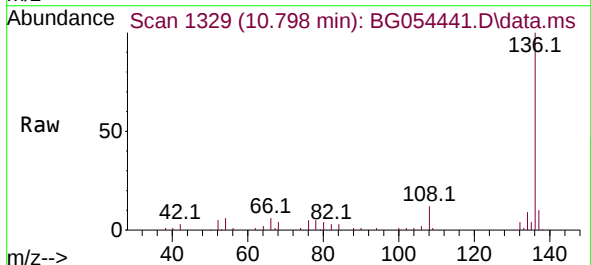
Tgt Ion: 99 Resp: 406
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6
71 95.0 33.8 50.8

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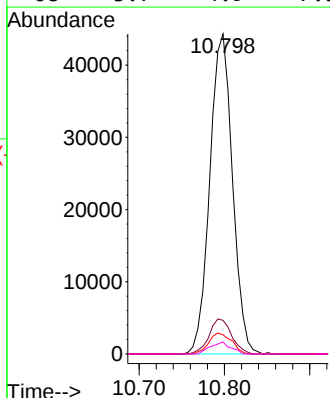
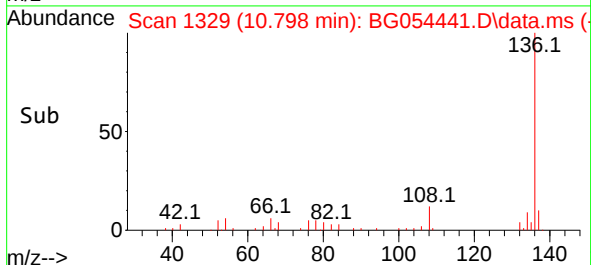
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1329
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24



Tgt Ion:136 Resp: 81748
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 6.0 7.4 11.2#
68 3.7 4.9 7.3#





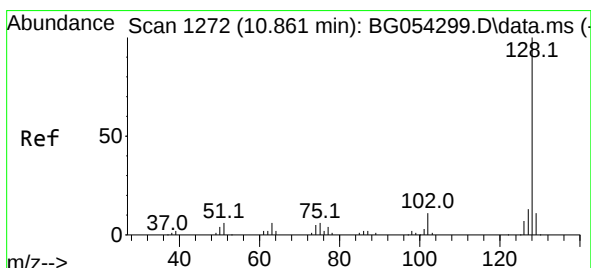
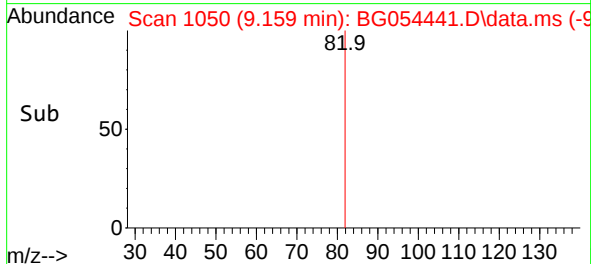
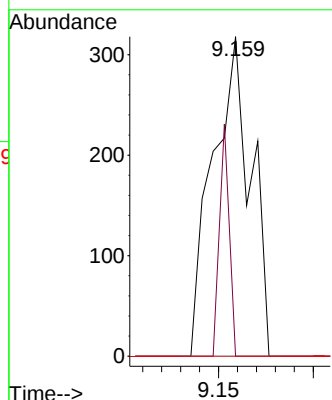
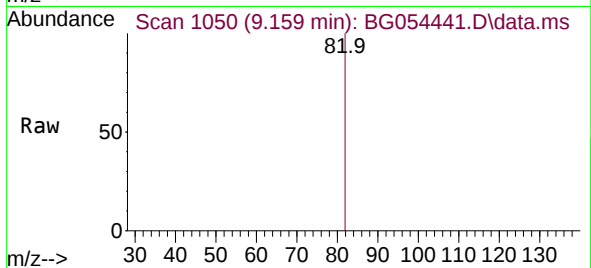
#23
Nitrobenzene-d5
Concen: 0.296 ng
RT: 9.159 min Scan# 1050
Delta R.T. 0.007 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

Instrument :
BNA_G
ClientSampleId :
OR-02-07-26-2022DL

Tgt Ion: 82 Resp: 444
Ion Ratio Lower Upper
82 100
128 0.0 27.9 41.9
54 0.0 41.2 61.8

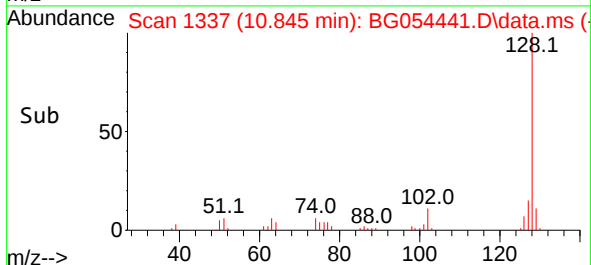
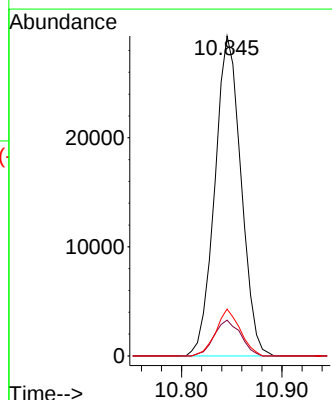
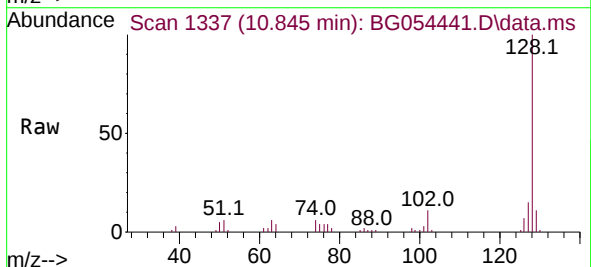
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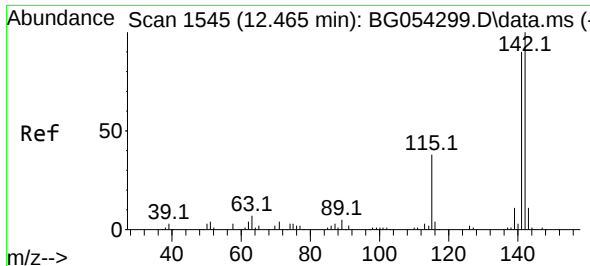
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#31
Naphthalene
Concen: 12.981 ng
RT: 10.845 min Scan# 1337
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

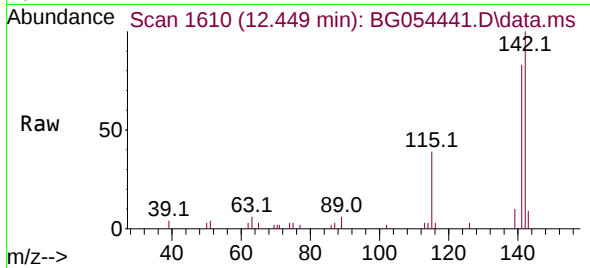
Tgt Ion:128 Resp: 53270
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 14.6 11.1 16.7





#37
2-Methylnaphthalene
Concen: 4.509 ng
RT: 12.449 min Scan# 1610
Delta R.T. -0.005 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

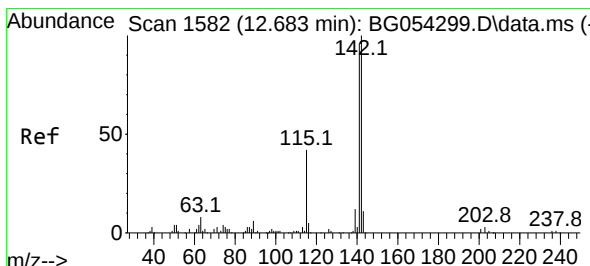
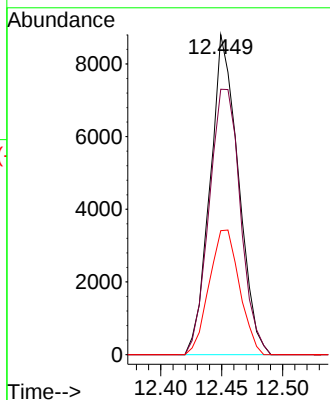
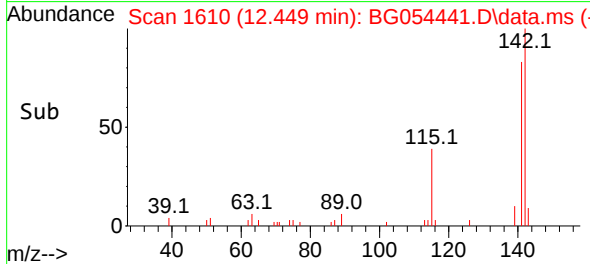
Instrument :
BNA_G
ClientSampleId :
OR-02-07-26-2022DL



Tgt Ion:142 Resp: 14210
Ion Ratio Lower Upper
142 100
141 82.9 72.3 108.5
115 38.7 33.7 50.5

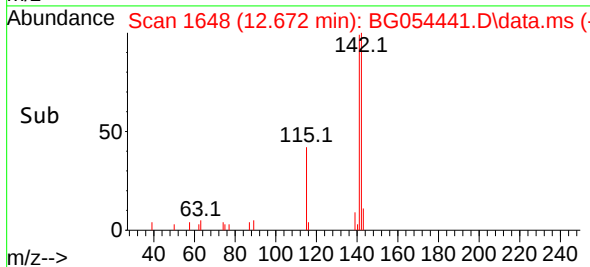
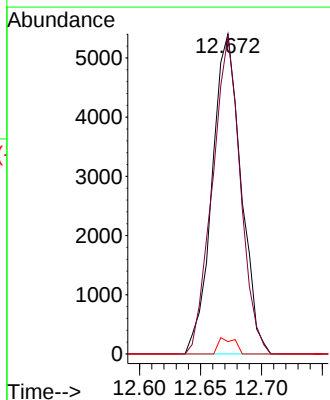
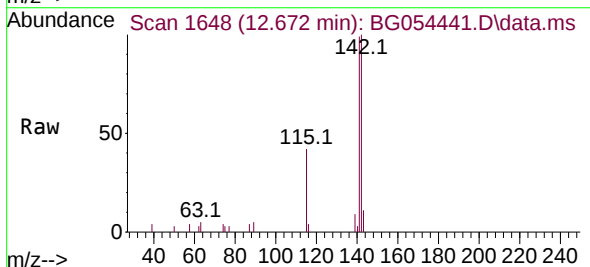
Manual Integrations
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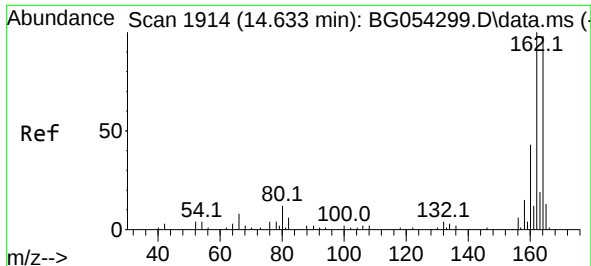
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#38
1-Methylnaphthalene
Concen: 2.912 ng
RT: 12.672 min Scan# 1648
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

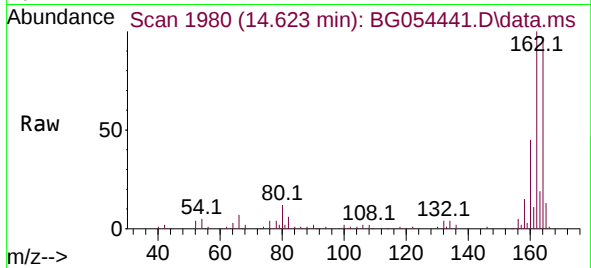
Tgt Ion:142 Resp: 8943
Ion Ratio Lower Upper
142 100
141 99.3 76.4 114.6
116 3.8 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

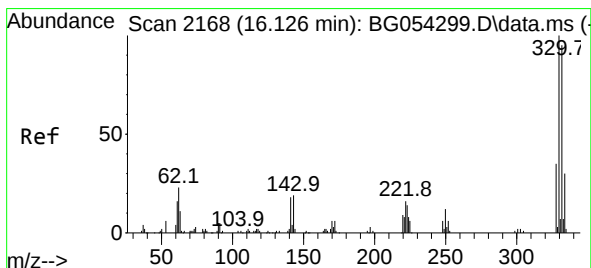
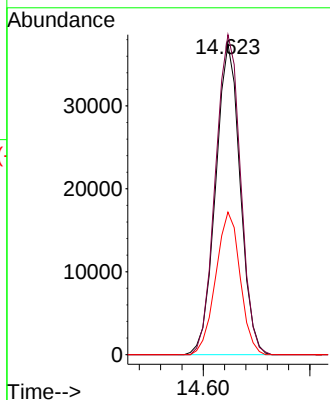
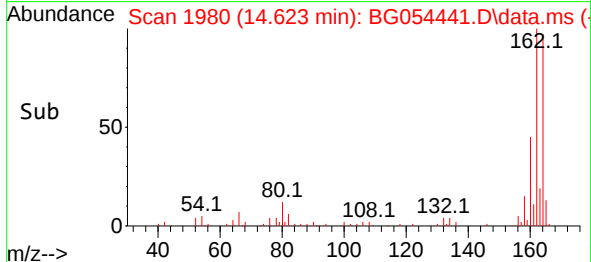
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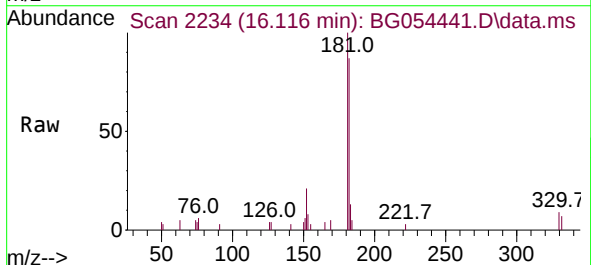
Tgt Ion:164 Resp: 59960
Ion Ratio Lower Upper
164 100
162 103.0 82.3 123.5
160 45.9 34.2 51.2

Manual Integrations
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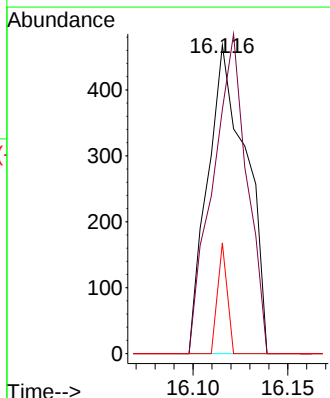
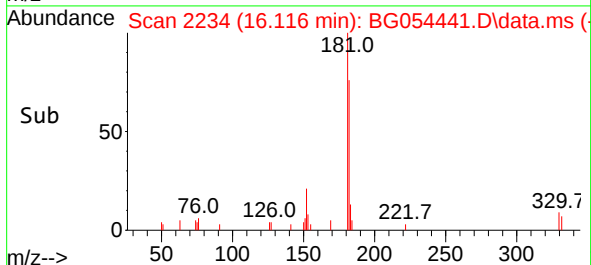
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

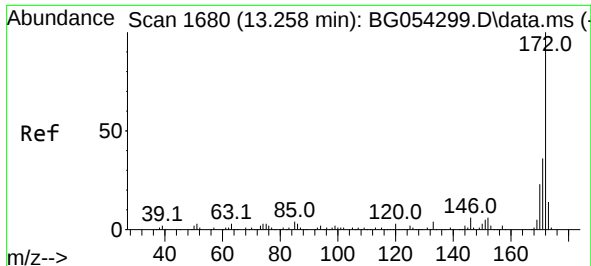


#42
2,4,6-Tribromophenol
Concen: 0.524 ng
RT: 16.116 min Scan# 2234
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24



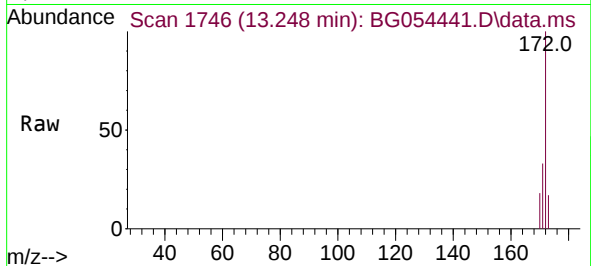
Tgt Ion:330 Resp: 660
Ion Ratio Lower Upper
330 100
332 91.8 76.0 114.0
141 8.9 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 13.248 min Scan# 1746
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

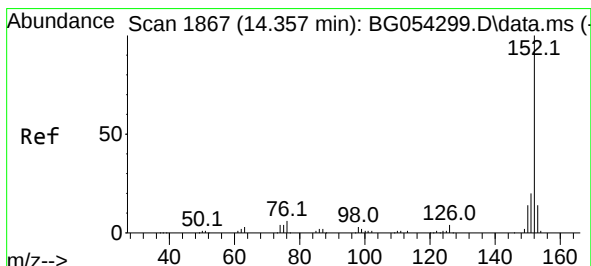
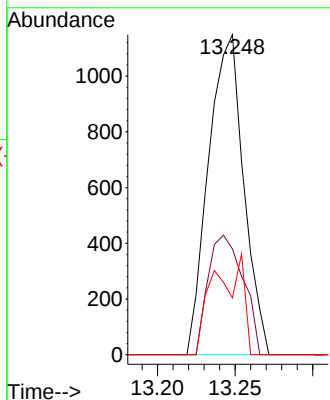
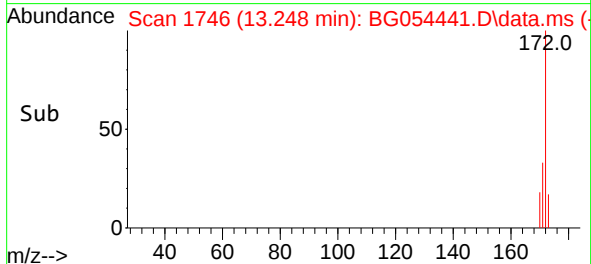
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OR-02-07-26-2022DL



Tgt Ion:172 Resp: 1815
Ion Ratio Lower Upper
172 100
171 33.1 28.5 42.7
170 17.8 18.9 28.3

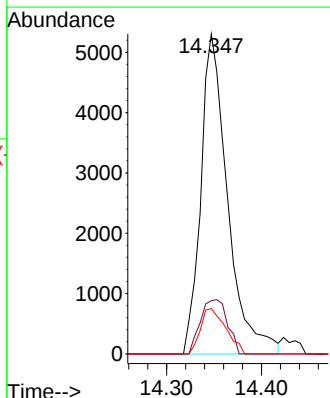
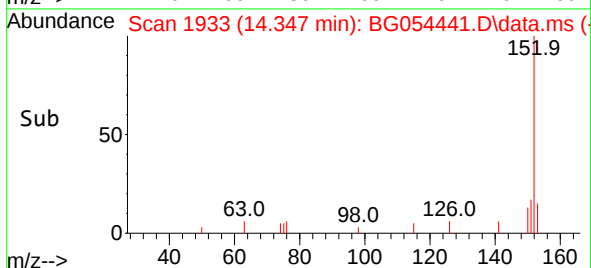
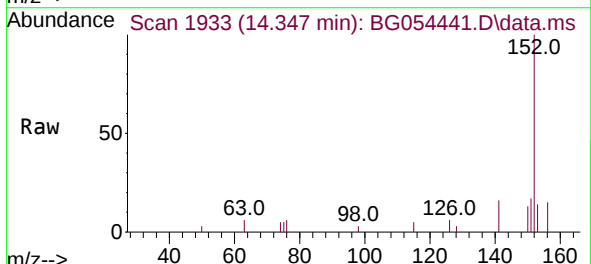
Manual Integrations
APPROVED

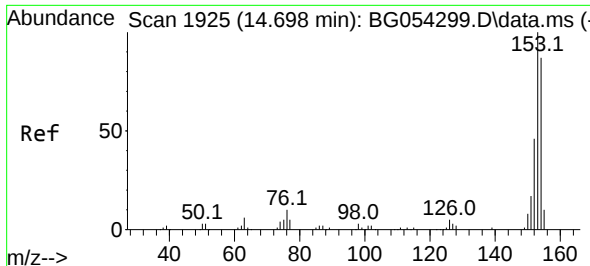
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#49
Acenaphthylene
Concen: 2.042 ng
RT: 14.347 min Scan# 1933
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

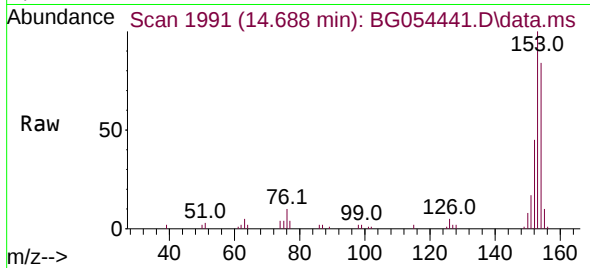
Tgt Ion:152 Resp: 10417
Ion Ratio Lower Upper
152 100
151 16.6 16.4 24.6
153 14.2 10.8 16.2





#52
Acenaphthene
Concen: 8.214 ng
RT: 14.688 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

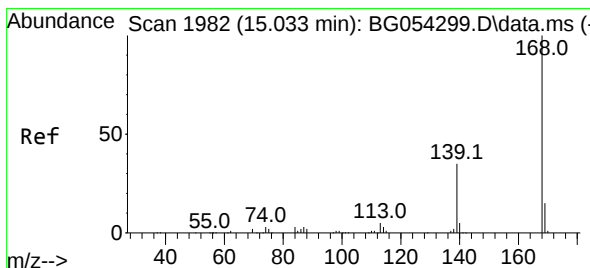
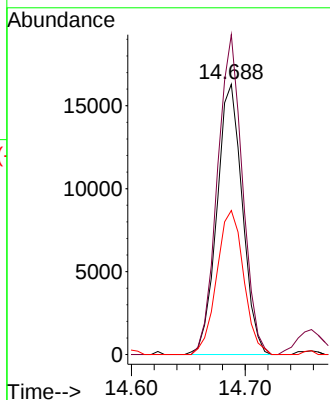
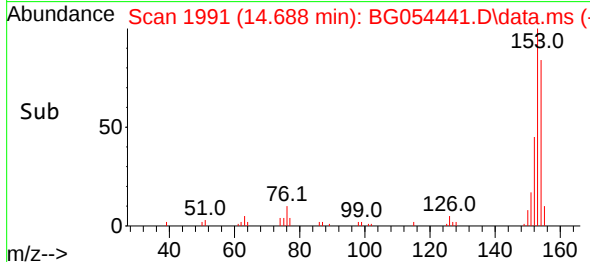
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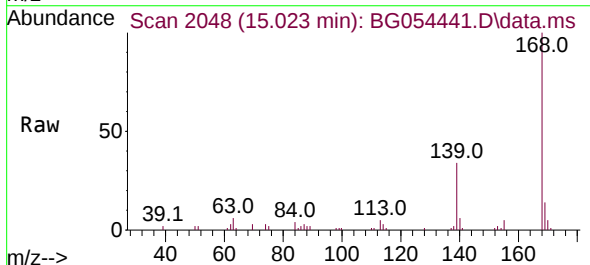
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Ion Ratio Lower Upper
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153 118.4 92.7 139.1
152 53.3 42.6 64.0

Manual Integrations
APPROVED

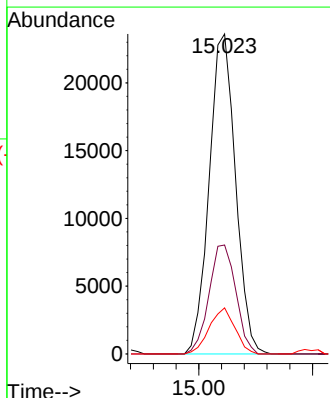
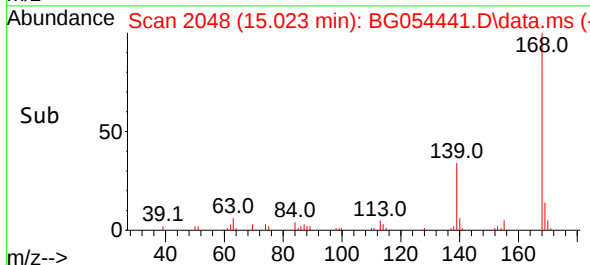
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

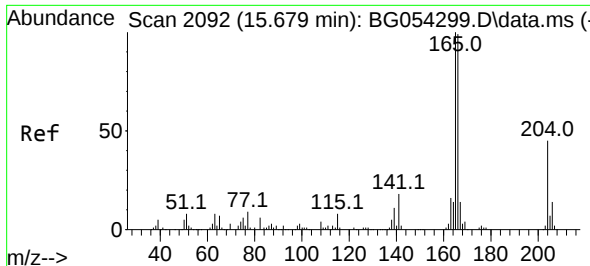


#55
Dibenzofuran
Concen: 6.902 ng
RT: 15.023 min Scan# 2048
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24



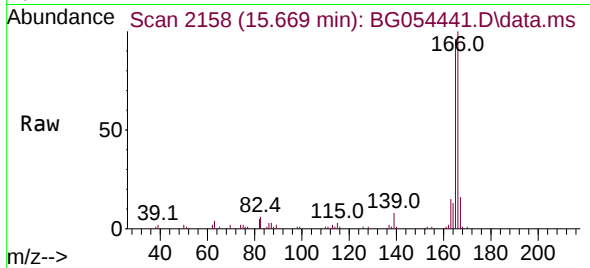
Tgt Ion:168 Resp: 37939
Ion Ratio Lower Upper
168 100
139 34.0 30.5 45.7
169 14.4 10.3 15.5





#58
Fluorene
Concen: 10.277 ng
RT: 15.669 min Scan# 2158
Delta R.T. -0.004 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

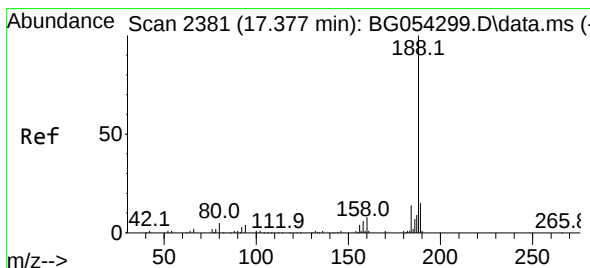
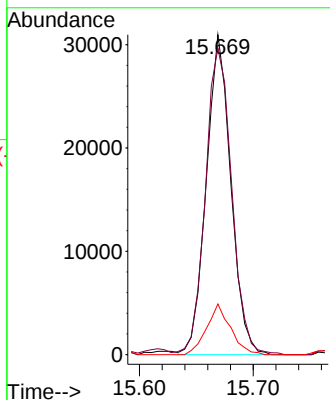
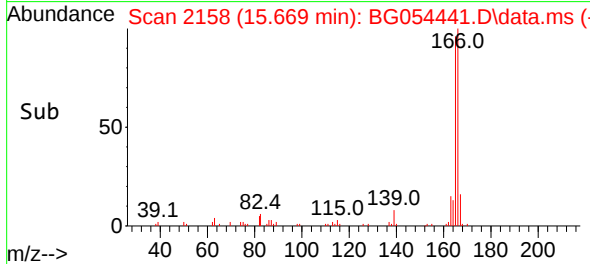
Instrument :
BNA_G
ClientSampleId :
OR-02-07-26-2022DL



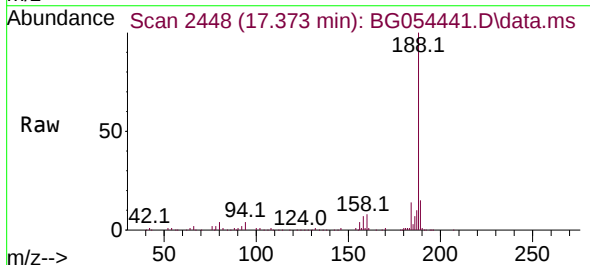
Tgt Ion:166 Resp: 46446
Ion Ratio Lower Upper
166 100
165 95.8 75.0 112.6
167 15.8 10.8 16.2

Manual Integrations
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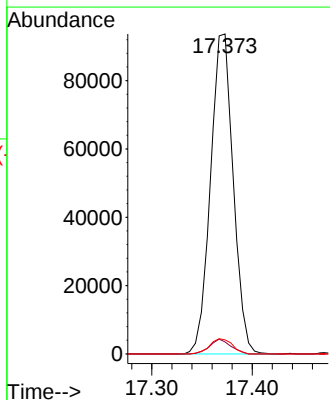
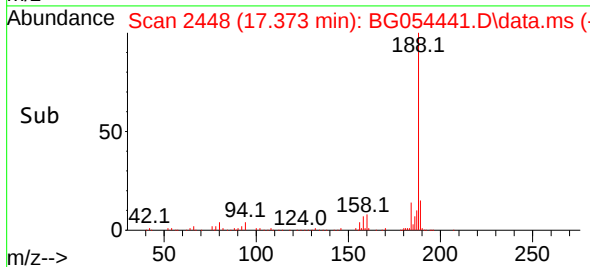
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

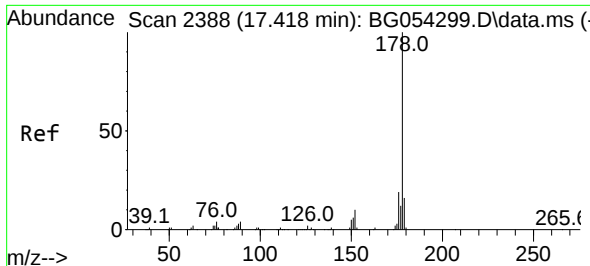


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.373 min Scan# 2448
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24



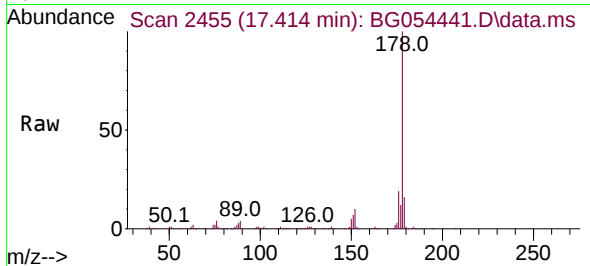
Tgt Ion:188 Resp: 147404
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0#
80 4.4 6.8 10.2#





#71
Phenanthrene
Concen: 47.824 ng
RT: 17.414 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

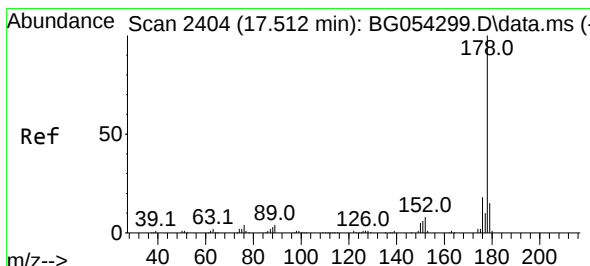
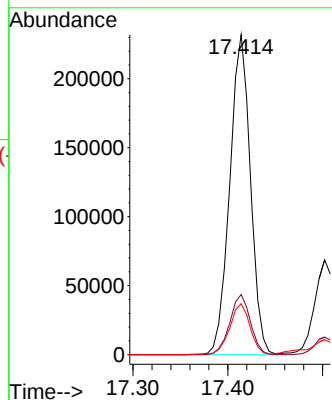
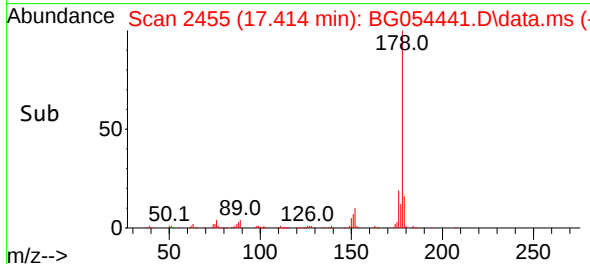
Instrument :
BNA_G
ClientSampleId :
OR-02-07-26-2022DL



Tgt Ion:178 Resp: 351063
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 15.9 12.1 18.1

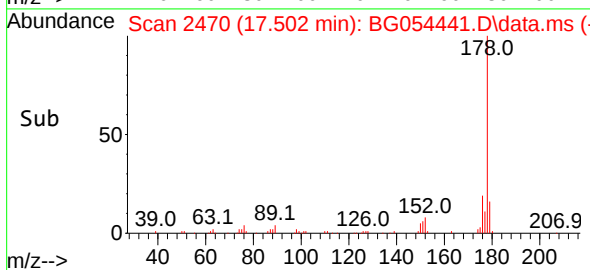
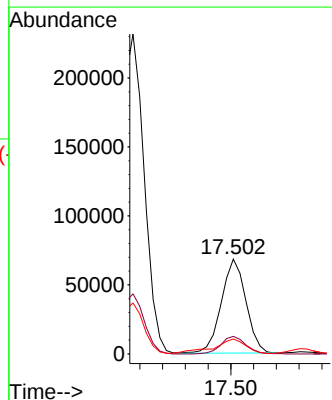
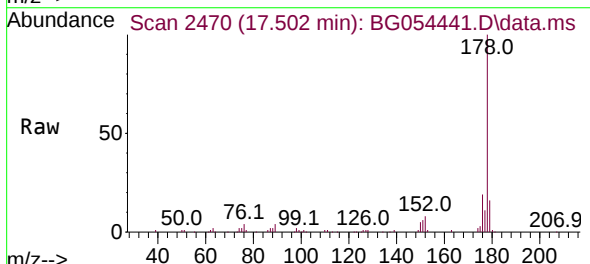
Manual Integrations
APPROVED

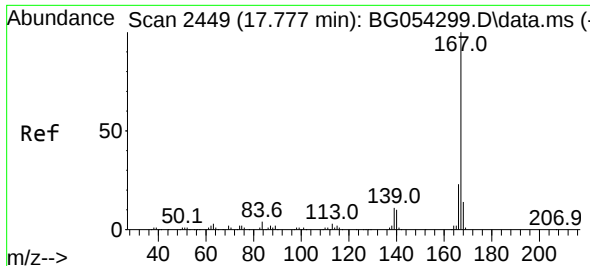
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#72
Anthracene
Concen: 14.219 ng
RT: 17.502 min Scan# 2470
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

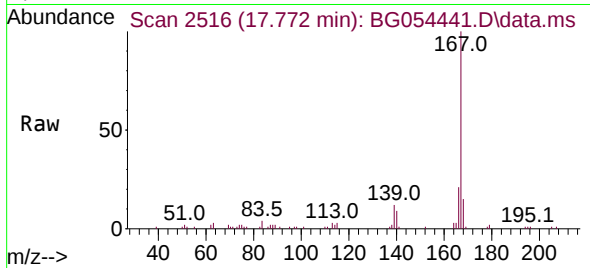
Tgt Ion:178 Resp: 102423
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.8 13.0 19.4





#73
 Carbazole
 Concen: 5.601 ng
 RT: 17.772 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054441.D
 Acq: 28 Jul 2022 21:24

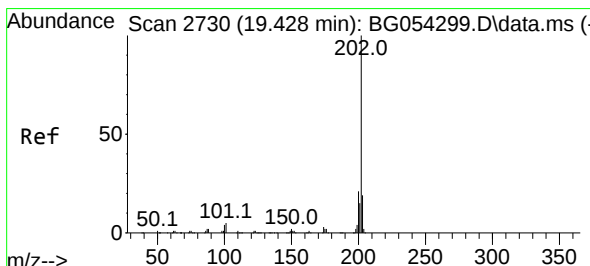
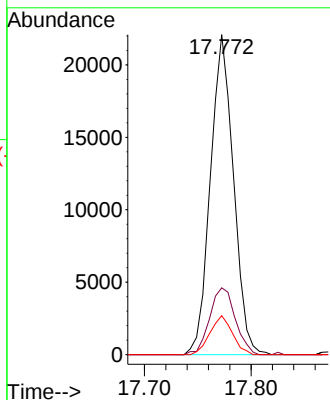
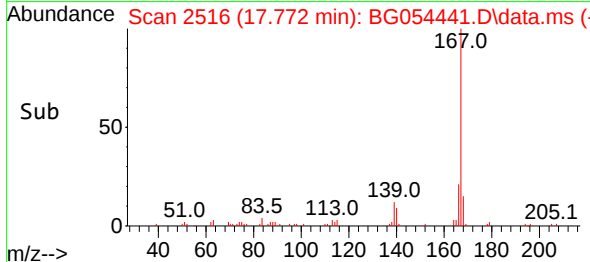
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-07-26-2022DL



Tgt Ion:167 Resp: 33220
 Ion Ratio Lower Upper
 167 100
 166 20.9 18.2 27.2
 139 12.2 10.1 15.1

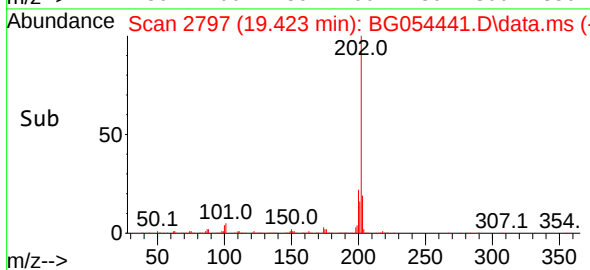
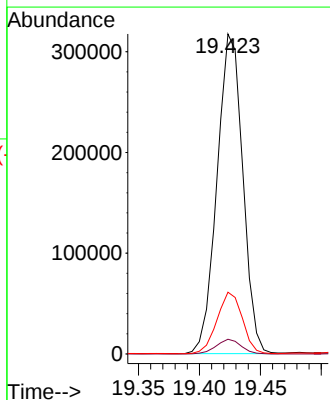
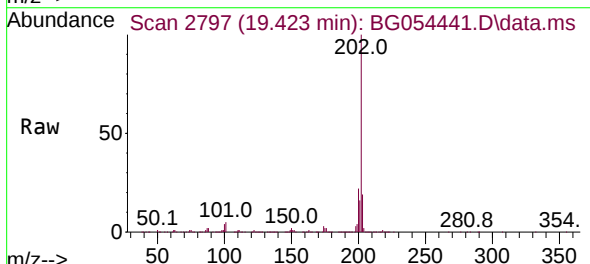
Manual Integrations
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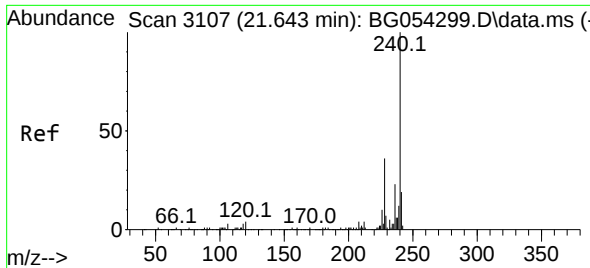
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#75
 Fluoranthene
 Concen: 46.639 ng
 RT: 19.423 min Scan# 2797
 Delta R.T. 0.001 min
 Lab File: BG054441.D
 Acq: 28 Jul 2022 21:24

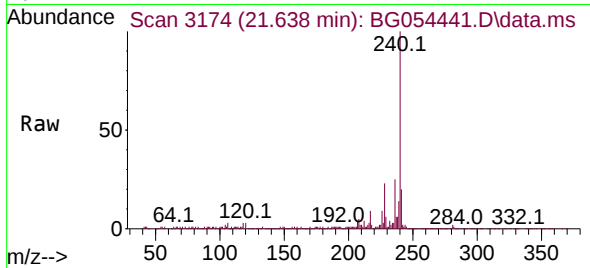
Tgt Ion:202 Resp: 466693
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 26.9
 203 19.3 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3107
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

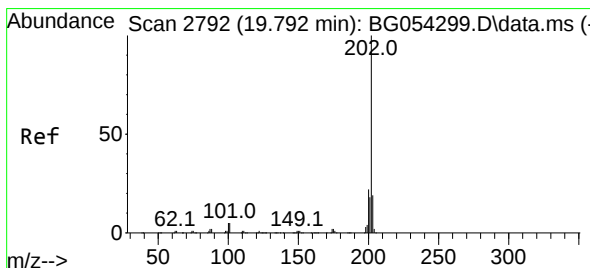
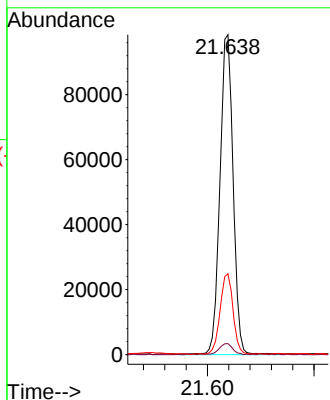
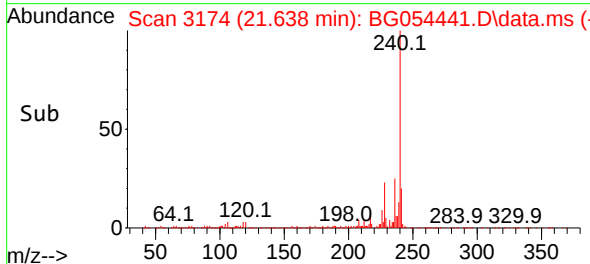
Instrument :
BNA_G
ClientSampleId :
OR-02-07-26-2022DL



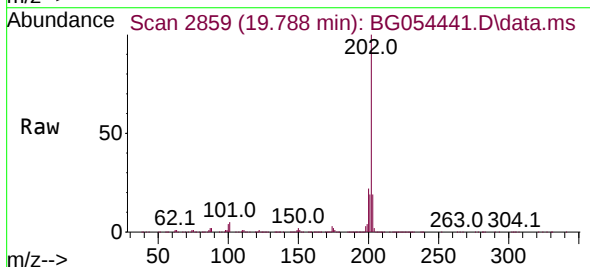
Tgt Ion:240 Resp: 169093
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0
236 25.3 20.2 30.4

Manual Integrations
APPROVED

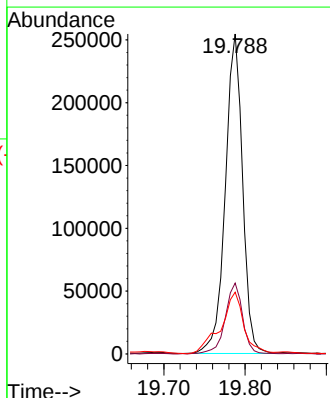
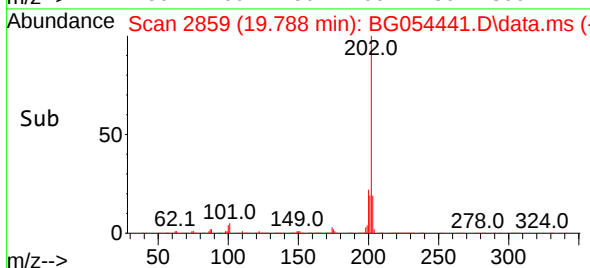
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

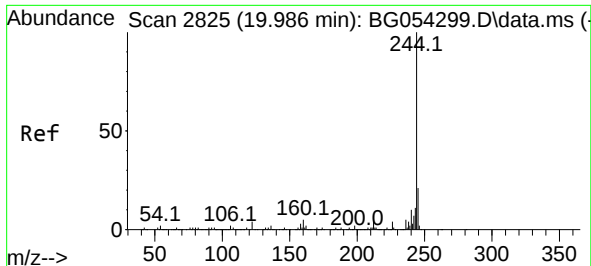


#78
Pyrene
Concen: 38.583 ng
RT: 19.788 min Scan# 2859
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24



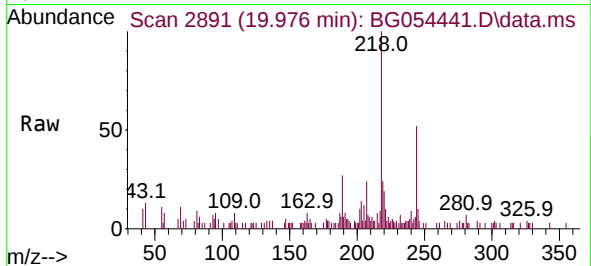
Tgt Ion:202 Resp: 374351
Ion Ratio Lower Upper
202 100
200 22.1 16.6 24.8
203 19.3 14.6 21.8





#79
 Terphenyl-d14
 Concen: 0.520 ng
 RT: 19.976 min Scan# 2825
 Delta R.T. -0.004 min
 Lab File: BG054441.D
 Acq: 28 Jul 2022 21:24

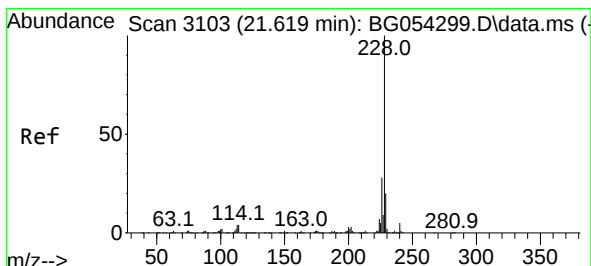
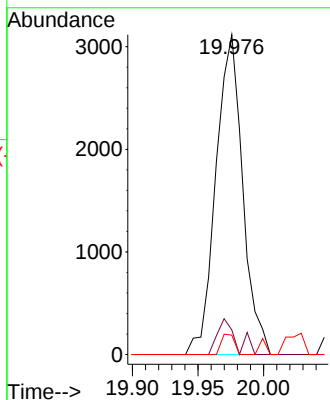
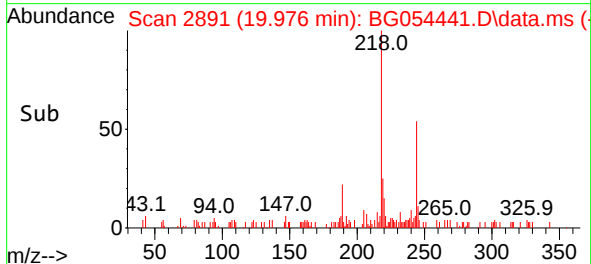
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-07-26-2022DL



Tgt Ion:244 Resp: 4436
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 6.1 5.0 7.4

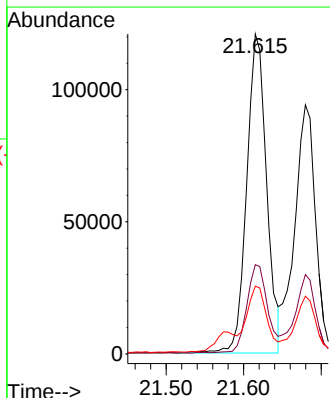
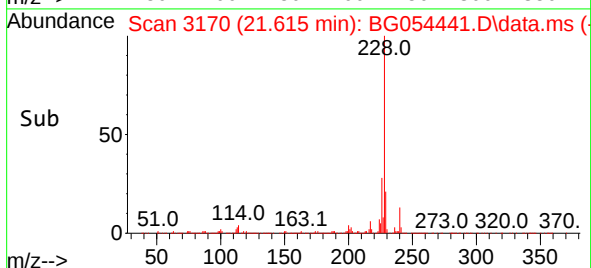
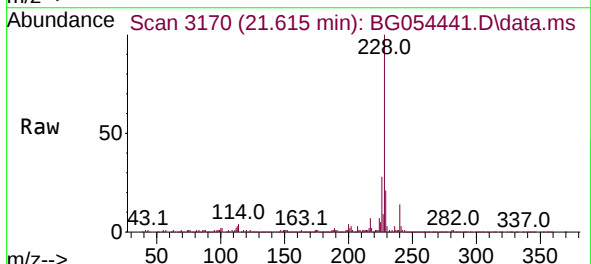
Manual Integrations
 APPROVED

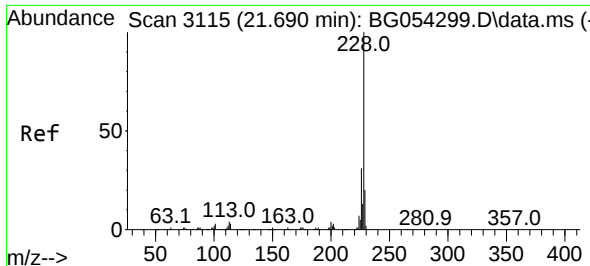
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#81
 Benzo(a)anthracene
 Concen: 20.035 ng
 RT: 21.615 min Scan# 3170
 Delta R.T. 0.001 min
 Lab File: BG054441.D
 Acq: 28 Jul 2022 21:24

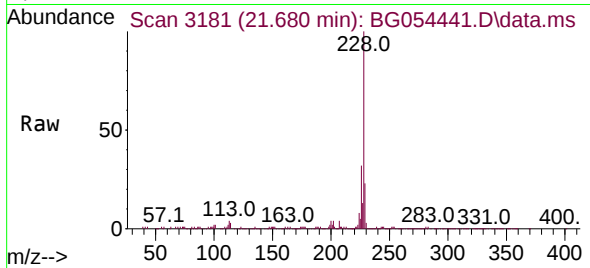
Tgt Ion:228 Resp: 215051
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 21.2 16.2 24.2





#83
Chrysene
Concen: 17.335 ng
RT: 21.680 min Scan# 3115
Delta R.T. -0.004 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

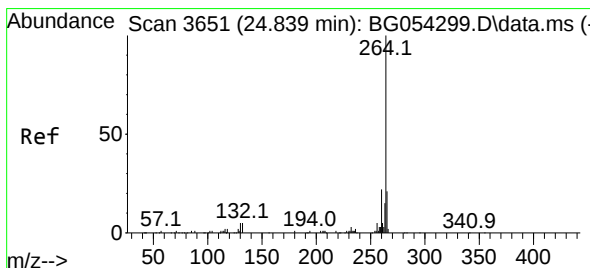
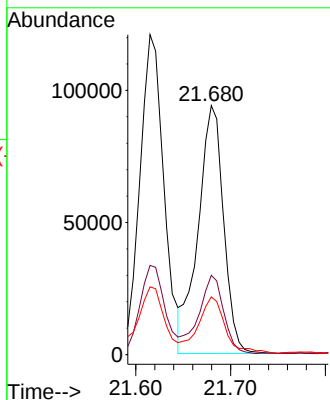
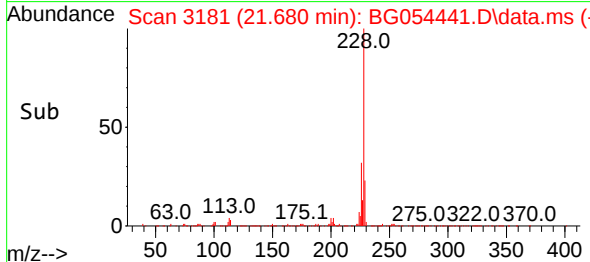
Instrument :
BNA_G
ClientSampleId :
OR-02-07-26-2022DL



Tgt Ion:228 Resp: 175795
Ion Ratio Lower Upper
228 100
226 31.8 23.4 35.2
229 23.1 15.5 23.3

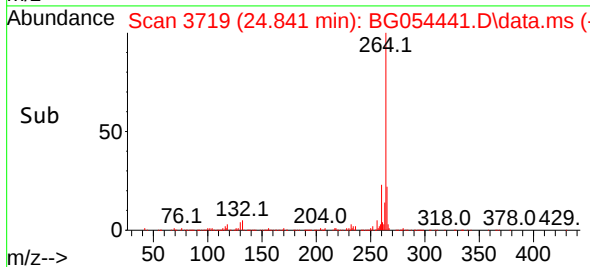
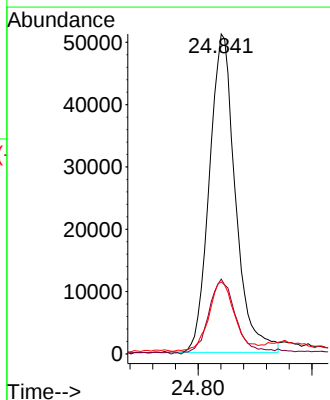
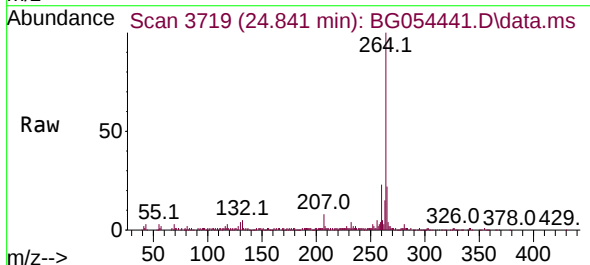
Manual Integrations
APPROVED

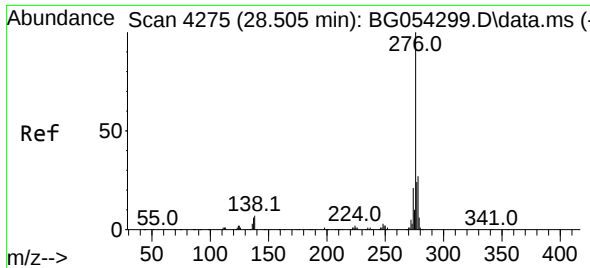
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.841 min Scan# 3719
Delta R.T. 0.007 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

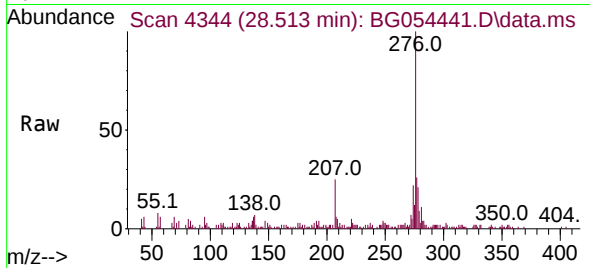
Tgt Ion:264 Resp: 162571
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.5 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.190 ng m
 RT: 28.513 min Scan# 4344
 Delta R.T. -0.004 min
 Lab File: BG054441.D
 Acq: 28 Jul 2022 21:24

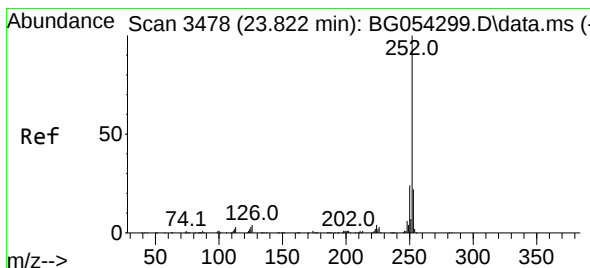
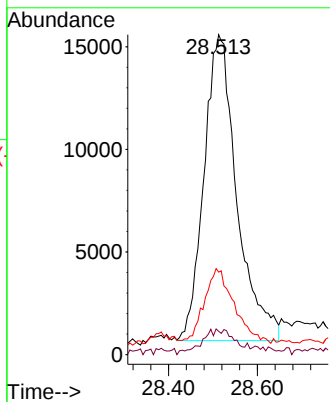
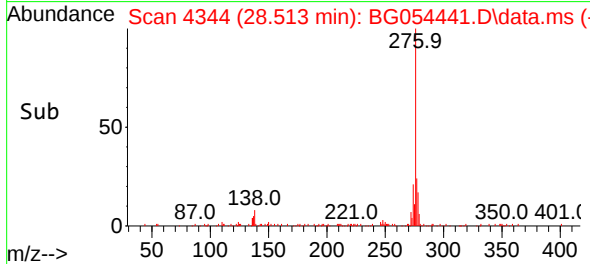
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-07-26-2022DL



Tgt Ion:276 Resp: 7656
 Ion Ratio Lower Upper
 276 100
 138 0.9 5.0 7.4
 277 2.9 20.3 30.5

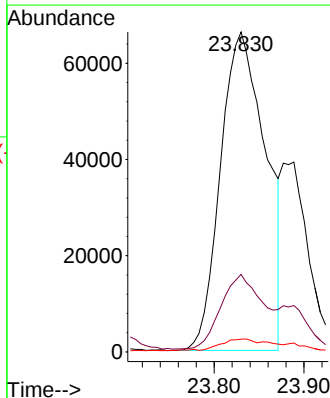
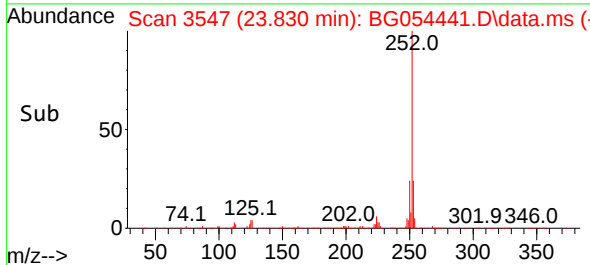
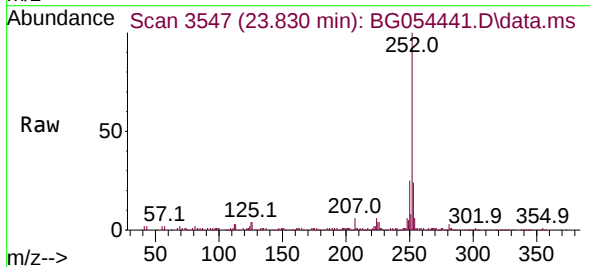
Manual Integrations
 APPROVED

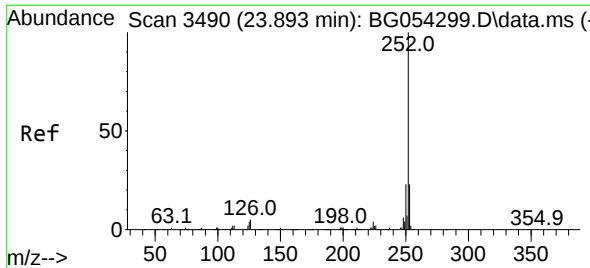
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#88
 Benzo(b)fluoranthene
 Concen: 24.048 ng
 RT: 23.830 min Scan# 3547
 Delta R.T. 0.007 min
 Lab File: BG054441.D
 Acq: 28 Jul 2022 21:24

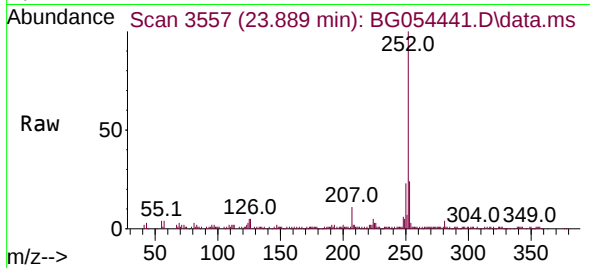
Tgt Ion:252 Resp: 231208
 Ion Ratio Lower Upper
 252 100
 253 24.2 18.0 27.0
 125 4.0 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 8.280 ng m
RT: 23.889 min Scan# 3490
Delta R.T. 0.001 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

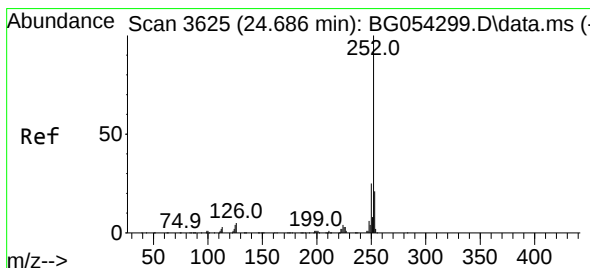
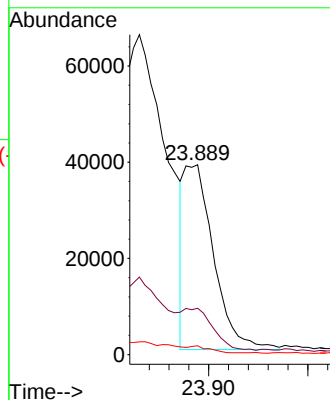
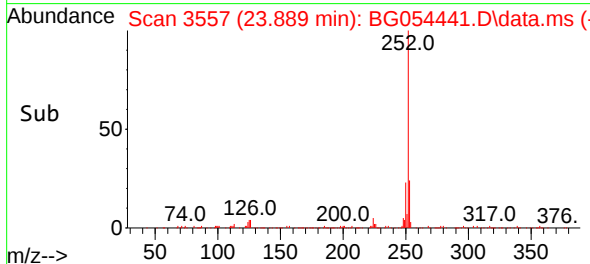
Instrument :
BNA_G
ClientSampleId :
OR-02-07-26-2022DL



Tgt Ion:252 Resp: 79227
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 4.6 4.8 7.2

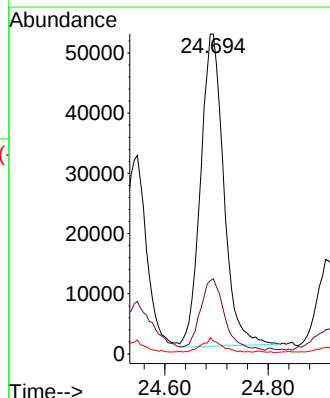
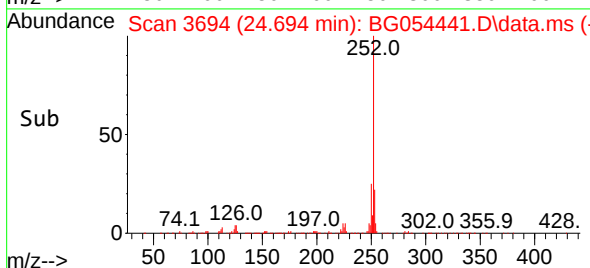
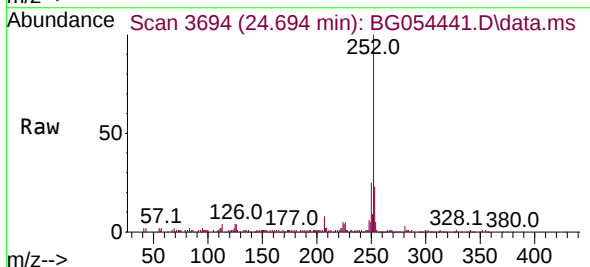
Manual Integrations
APPROVED

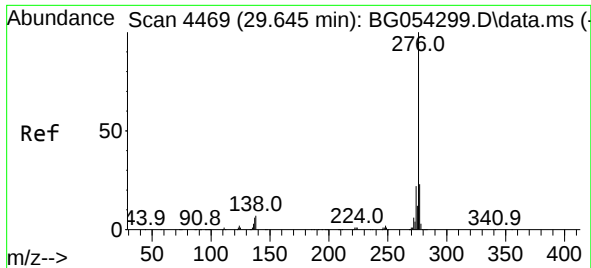
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#90
Benzo(a)pyrene
Concen: 19.672 ng
RT: 24.694 min Scan# 3694
Delta R.T. 0.007 min
Lab File: BG054441.D
Acq: 28 Jul 2022 21:24

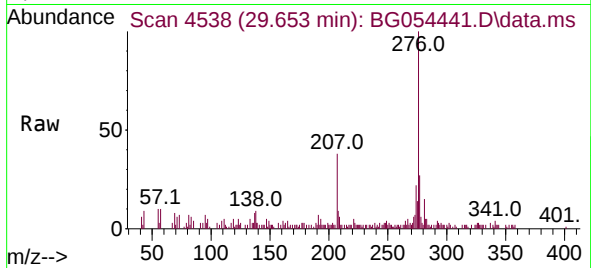
Tgt Ion:252 Resp: 161516
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 4.0 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 6.351 ng
 RT: 29.653 min Scan# 4538
 Delta R.T. -0.010 min
 Lab File: BG054441.D
 Acq: 28 Jul 2022 21:24

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-07-26-2022DL



Tgt Ion: 276 Resp: 63748
 Ion Ratio Lower Upper
 276 100
 277 26.8 17.3 25.9
 138 9.0 9.6 14.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022

