

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054714.D
 Acq On : 23 Aug 2022 19:46
 Operator : CG/JU
 Sample : N4275-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-081922

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/24/2022
 Supervised By : Jagrut Upadhyay 08/24/2022

Quant Time: Aug 24 01:52:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 03:09:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	65261	20.000	ng	0.00
21) Naphthalene-d8	10.990	136	274950	20.000	ng	0.00
39) Acenaphthene-d10	14.791	164	170322	20.000	ng	0.00
64) Phenanthrene-d10	17.535	188	339726	20.000	ng	0.00
76) Chrysene-d12	21.836	240	297297	20.000	ng	0.00
86) Perylene-d12	25.220	264	289094	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	152851	44.136	ng	0.00
7) Phenol-d6	7.306	99	213385	43.973	ng	0.00
23) Nitrobenzene-d5	9.333	82	127766	26.482	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	66786	48.963	ng	0.00
45) 2-Fluorobiphenyl	13.416	172	302889	26.225	ng	0.00
79) Terphenyl-d14	20.138	244	404472	27.026	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.856	154	34268	3.498	ng	100
58) Fluorene	15.837	166	54862	4.470	ng	99
71) Phenanthrene	17.582	178	509914	28.159	ng	99
72) Anthracene	17.670	178	126293	7.197	ng	98
73) Carbazole	17.935	167	50726	3.249	ng	99
75) Fluoranthene	19.586	202	712327	33.366	ng	100
78) Pyrene	19.944	202	663109	31.621	ng	99
81) Benzo(a)anthracene	21.812	228	314029	15.553	ng	98
83) Chrysene	21.883	228	282937	14.725	ng	98
87) Indeno(1,2,3-cd)pyrene	29.110	276	114105	5.289	ng	94
88) Benzo(b)fluoranthene	24.139	252	341492	19.024	ng	# 96
89) Benzo(k)fluoranthene	24.204	252	125599m	6.780	ng	
90) Benzo(a)pyrene	25.056	252	276157	17.924	ng	95
92) Benzo(g,h,i)perylene	30.320	276	107742	6.219	ng	# 93

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

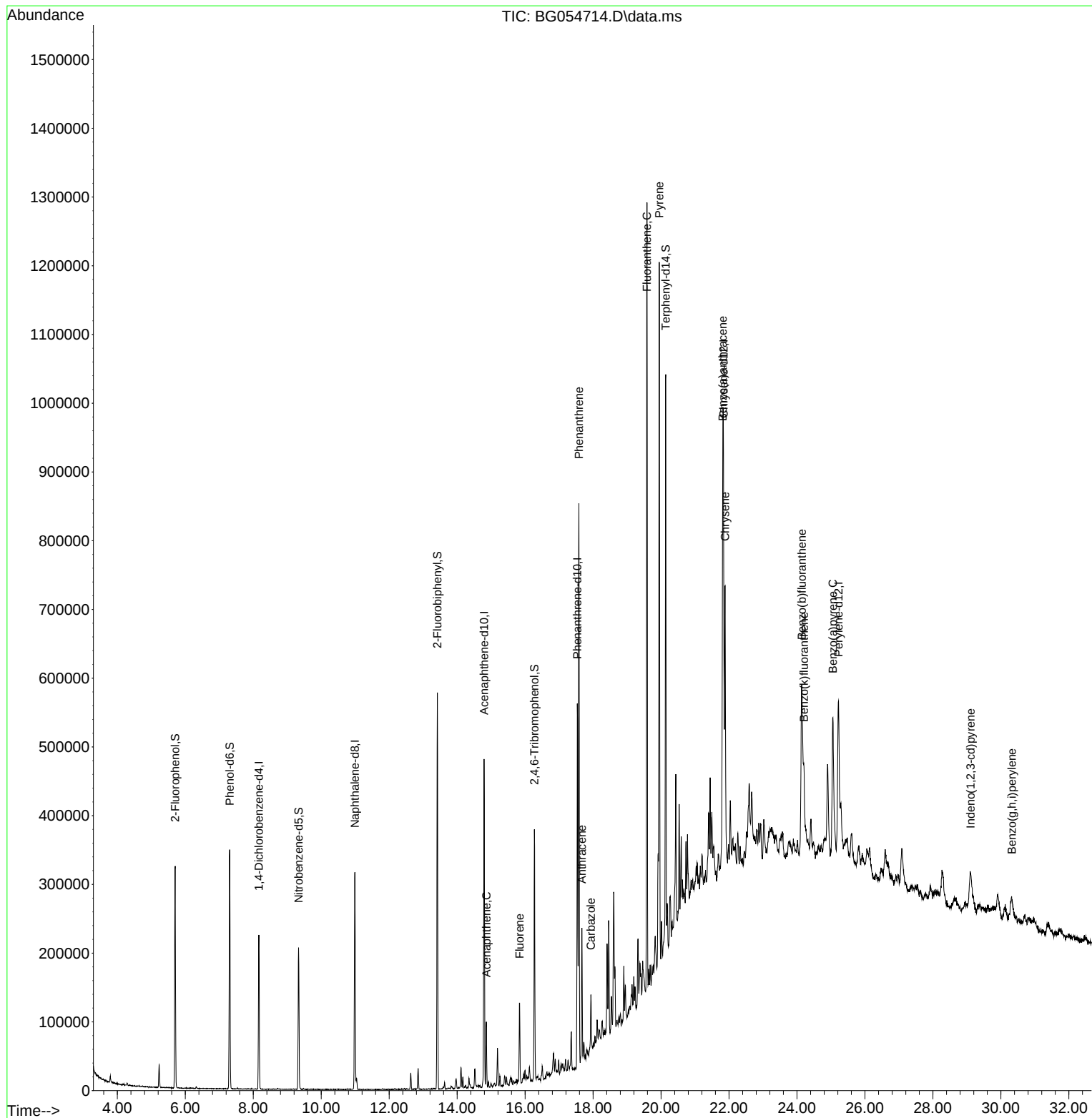
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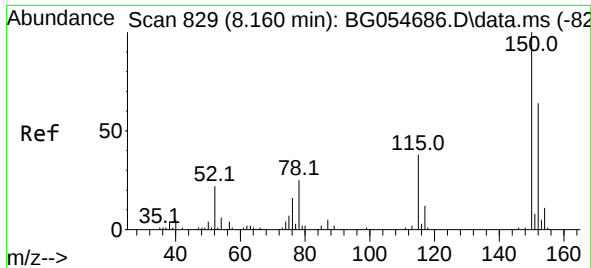
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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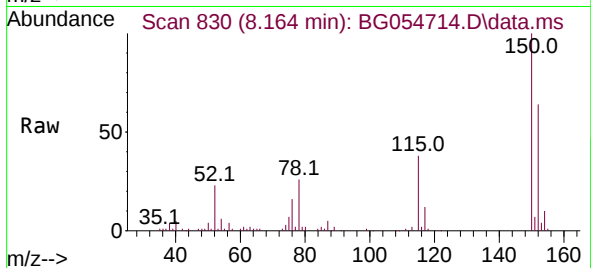
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

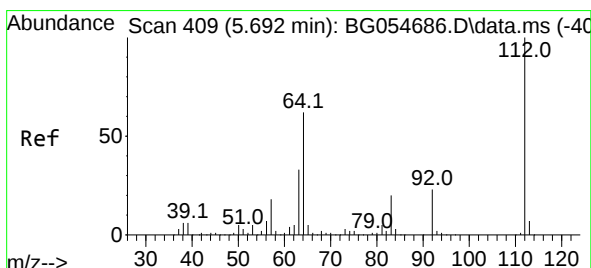
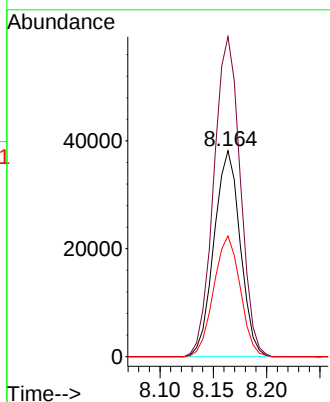
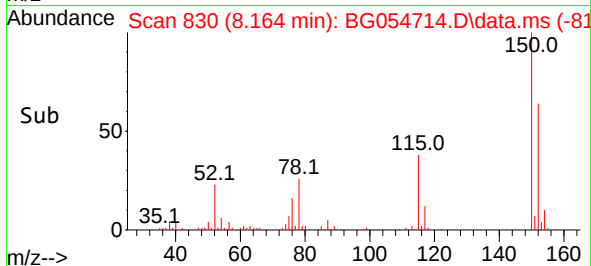
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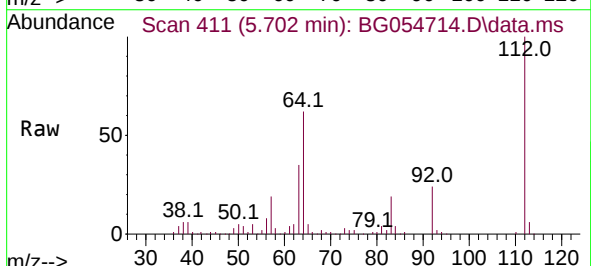
Tgt Ion:152 Resp: 65263
Ion Ratio Lower Upper
152 100
150 155.5 125.2 187.8
115 58.7 47.9 71.9

Manual Integrations
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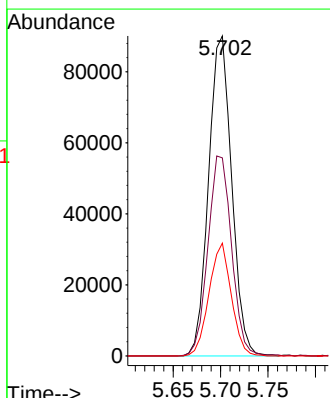
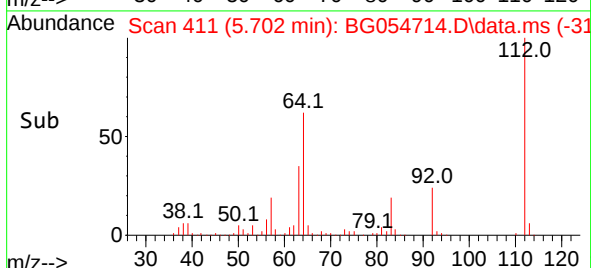
Reviewed By :Christian Giraldo 08/24/2022
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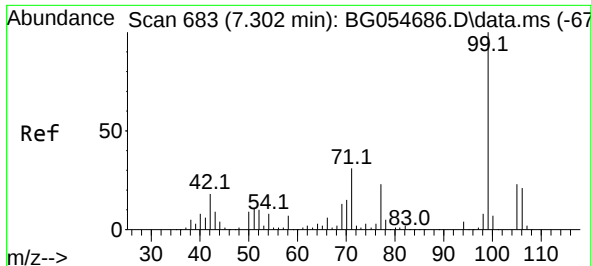


#5
2-Fluorophenol
Concen: 44.136 ng
RT: 5.702 min Scan# 411
Delta R.T. 0.010 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46



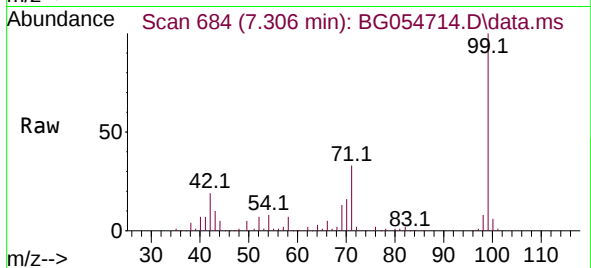
Tgt Ion:112 Resp: 152851
Ion Ratio Lower Upper
112 100
64 61.9 49.3 73.9
63 35.2 26.3 39.5





#7
Phenol-d6
Concen: 43.973 ng
RT: 7.306 min Scan# 683
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

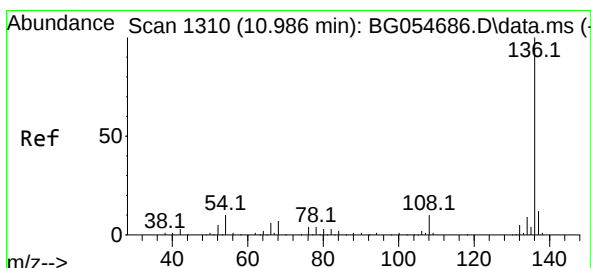
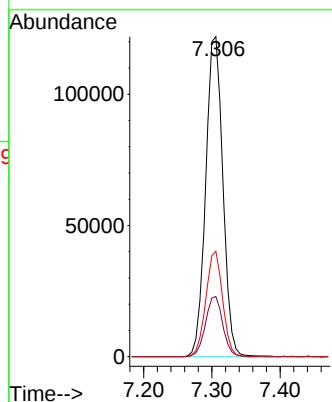
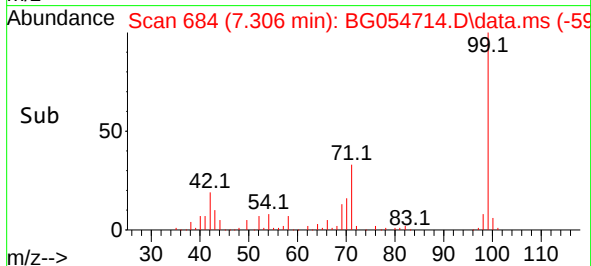
Instrument :
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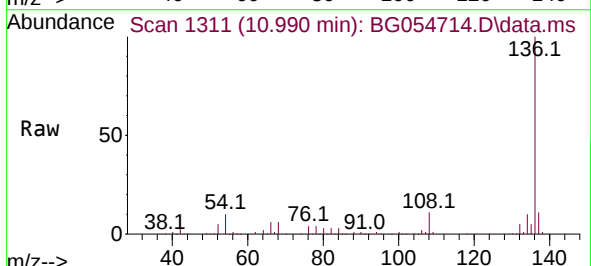
Tgt Ion: 99 Resp: 213385
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 32.9 24.6 37.0

Manual Integrations
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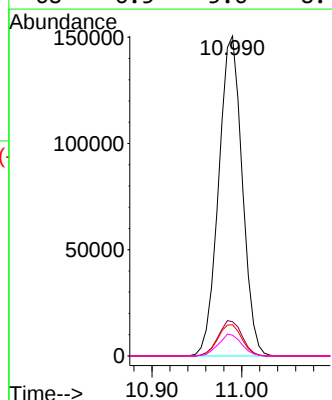
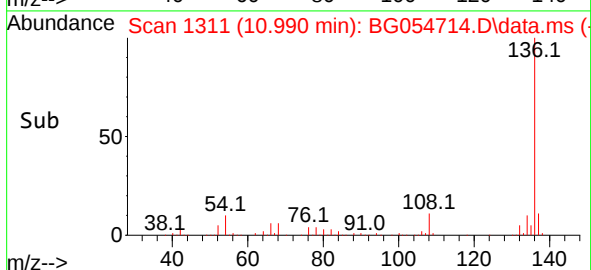
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

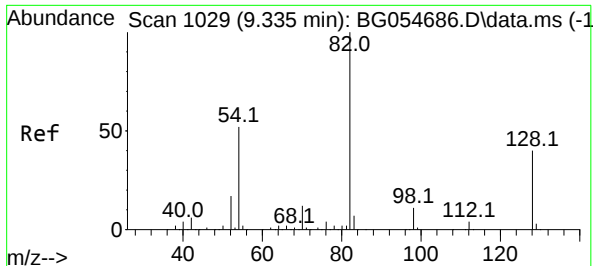


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.990 min Scan# 1311
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46



Tgt Ion:136 Resp: 274950
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 9.8 7.7 11.5
68 6.5 5.6 8.4





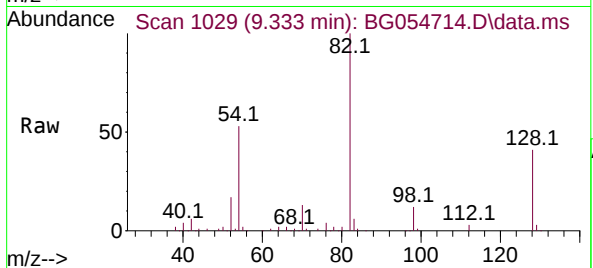
#23
Nitrobenzene-d5
Concen: 26.482 ng
RT: 9.333 min Scan# 1029
Delta R.T. -0.002 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Instrument :

BNA_G

ClientSampleId :

OR-03-081922

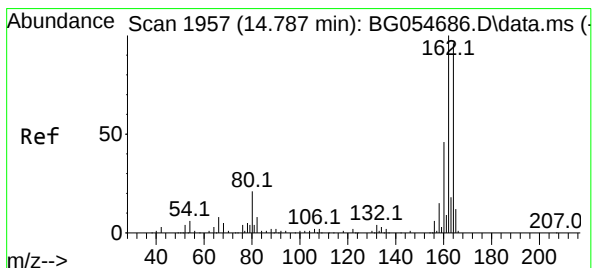
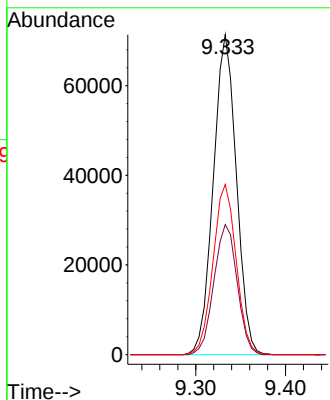
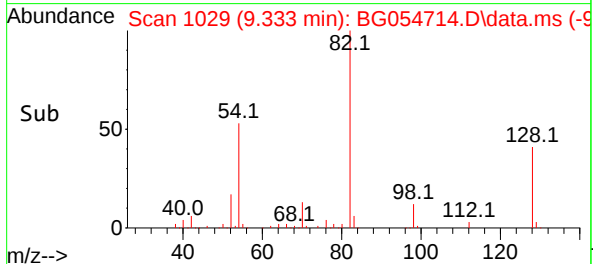


Tgt Ion: 82 Resp: 127766
Ion Ratio Lower Upper
82 100
128 40.6 32.2 48.2
54 53.2 41.4 62.0

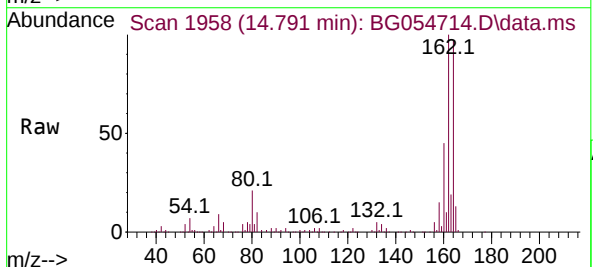
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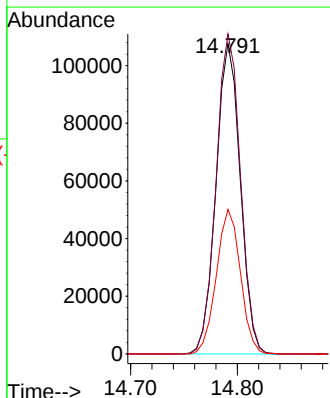
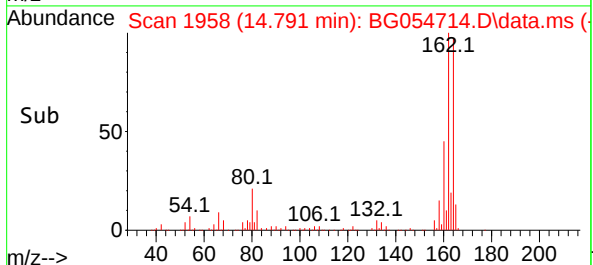
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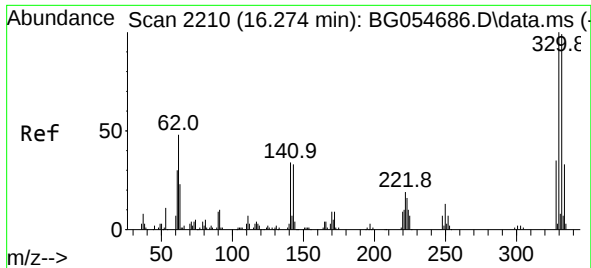


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.791 min Scan# 1958
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46



Tgt Ion:164 Resp: 170322
Ion Ratio Lower Upper
164 100
162 103.1 83.0 124.4
160 46.6 38.0 57.0





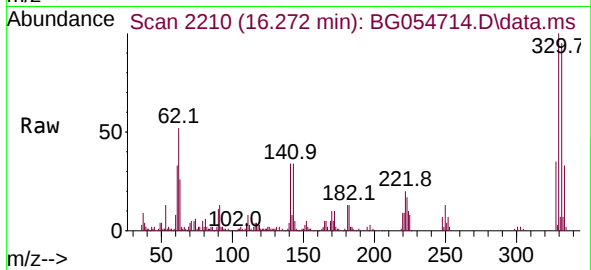
#42
2,4,6-Tribromophenol
Concen: 48.963 ng
RT: 16.272 min Scan# 2210
Delta R.T. -0.002 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Instrument :

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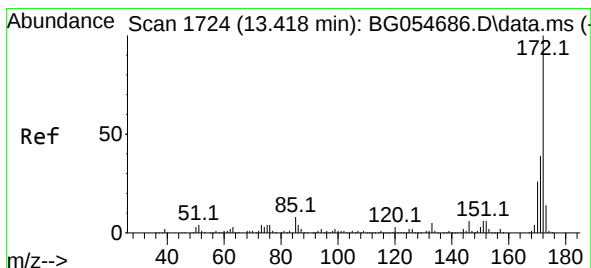
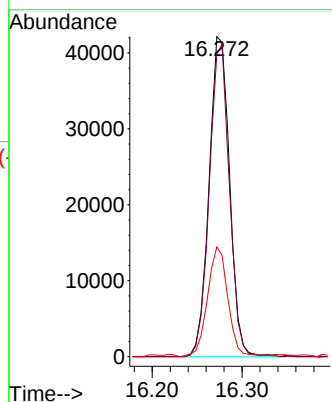
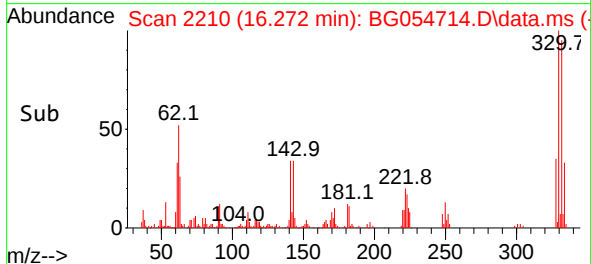


Tgt Ion:330 Resp: 66786
Ion Ratio Lower Upper
330 100
332 95.4 79.8 119.6
141 34.0 26.8 40.2

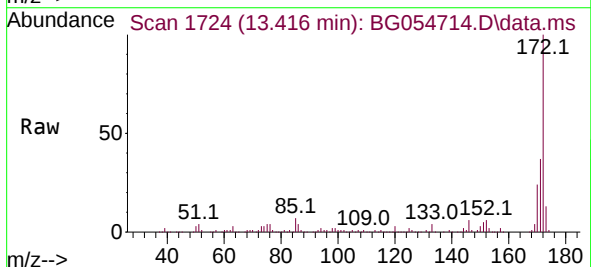
Manual Integrations

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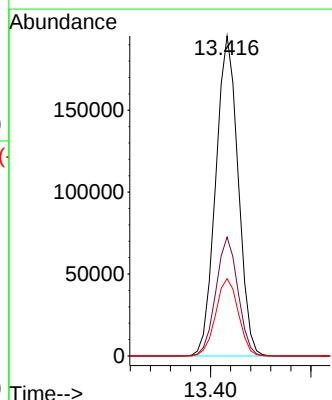
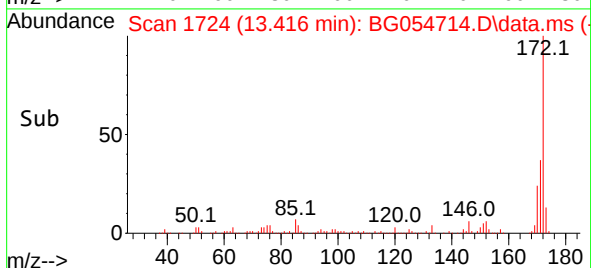
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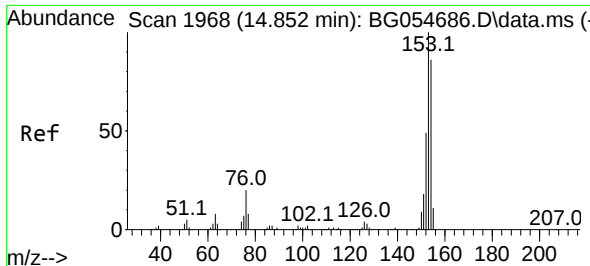


#45
2-Fluorobiphenyl
Concen: 26.225 ng
RT: 13.416 min Scan# 1724
Delta R.T. -0.002 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46



Tgt Ion:172 Resp: 302889
Ion Ratio Lower Upper
172 100
171 37.1 31.2 46.8
170 24.1 20.6 30.8





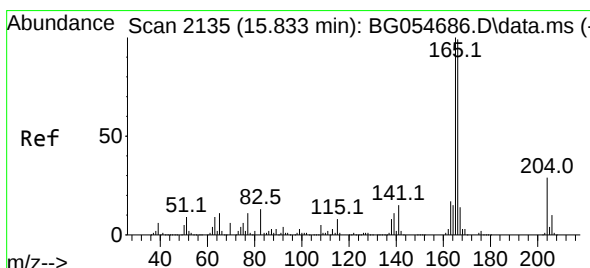
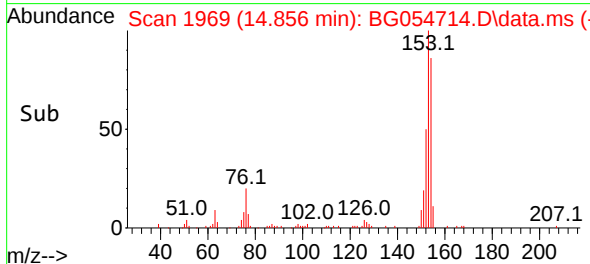
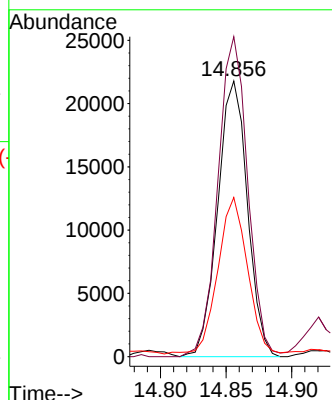
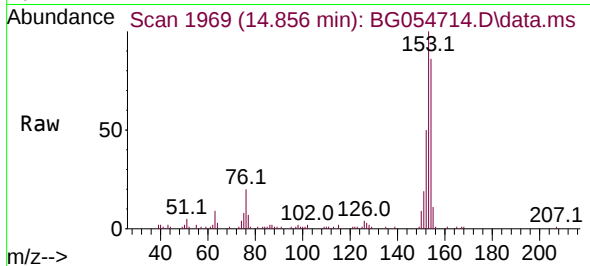
#52
Acenaphthene
Concen: 3.498 ng
RT: 14.856 min Scan# 1968
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Instrument :
BNA_G
ClientSampleId :
OR-03-081922

Tgt Ion:154 Resp: 34268
Ion Ratio Lower Upper
154 100
153 116.1 92.8 139.2
152 57.7 45.4 68.2

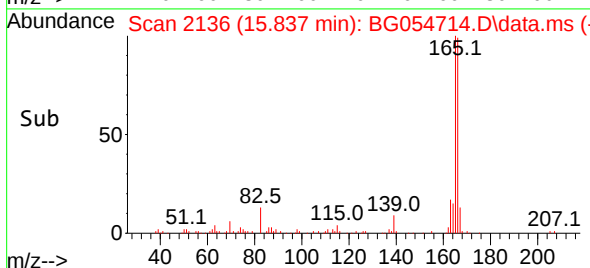
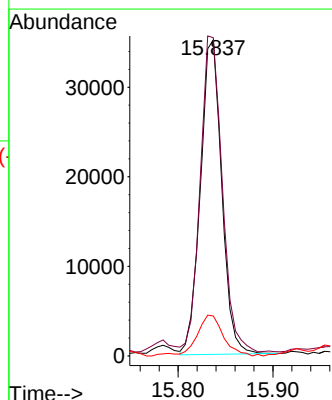
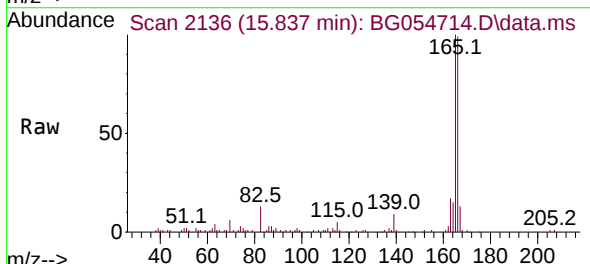
Manual Integrations
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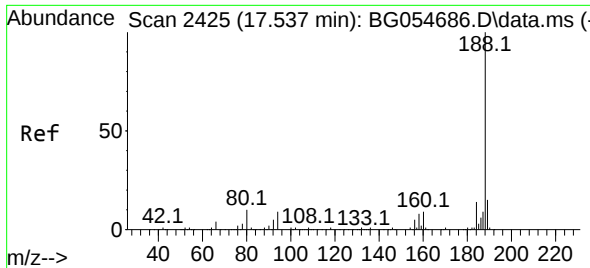
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#58
Fluorene
Concen: 4.470 ng
RT: 15.837 min Scan# 2136
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion:166 Resp: 54862
Ion Ratio Lower Upper
166 100
165 100.7 80.8 121.2
167 12.6 11.4 17.0





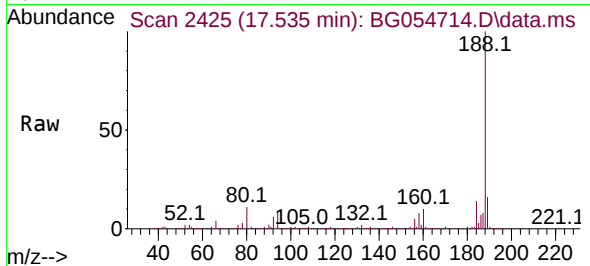
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.535 min Scan# 2425
Delta R.T. -0.002 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Instrument :

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ClientSampleId :

OR-03-081922

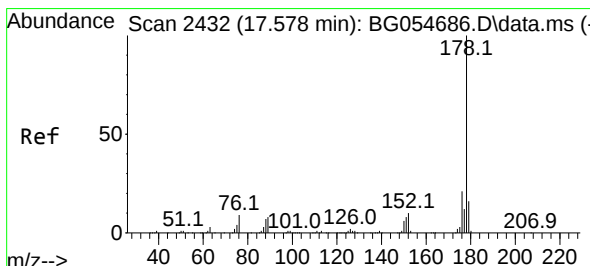
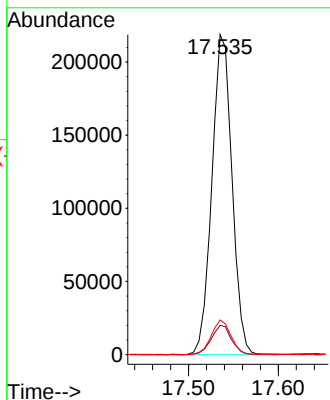
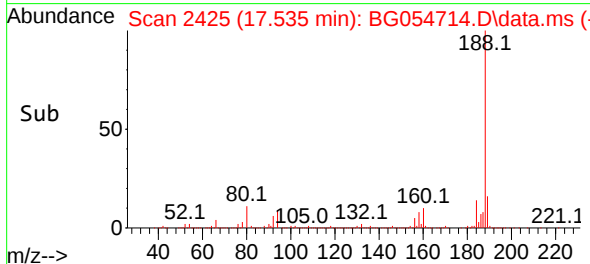


Tgt Ion:188 Resp: 339726
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 10.8 7.9 11.9

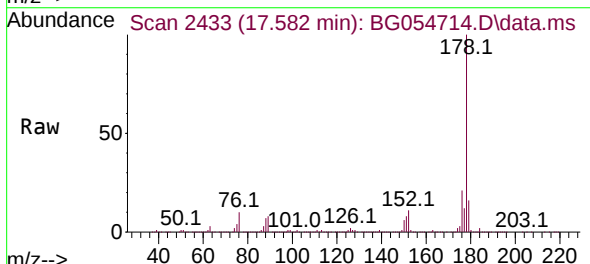
Manual Integrations

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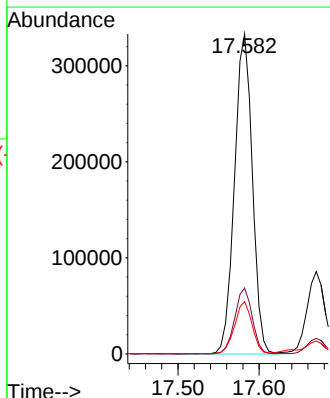
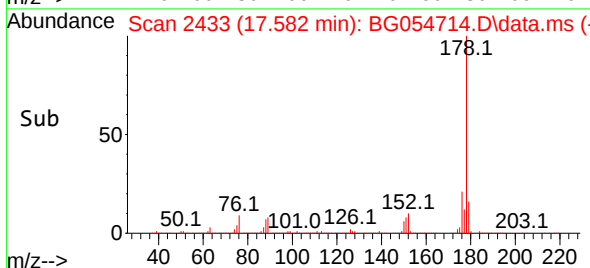
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Supervised By :Jagrut Upadhyay 08/24/2022

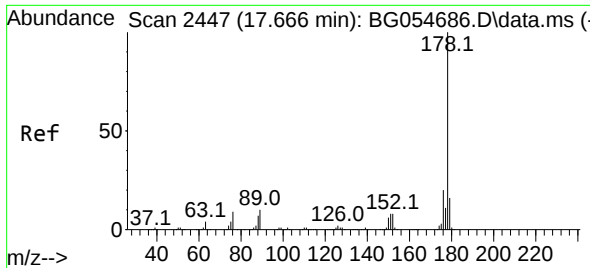


#71
Phenanthrene
Concen: 28.159 ng
RT: 17.582 min Scan# 2433
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46



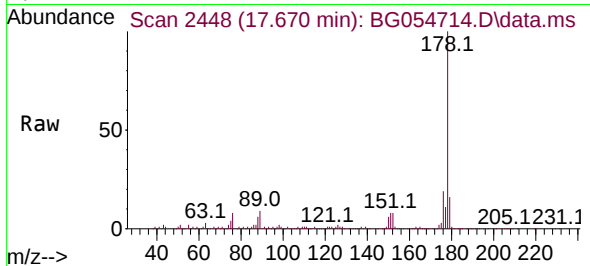
Tgt Ion:178 Resp: 509914
Ion Ratio Lower Upper
178 100
176 20.6 16.6 25.0
179 16.4 12.8 19.2





#72
 Anthracene
 Concen: 7.197 ng
 RT: 17.670 min Scan# 2448
 Delta R.T. 0.004 min
 Lab File: BG054714.D
 Acq: 23 Aug 2022 19:46

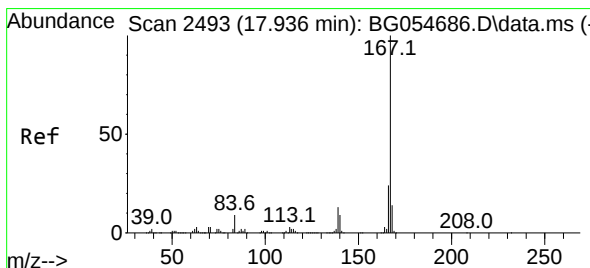
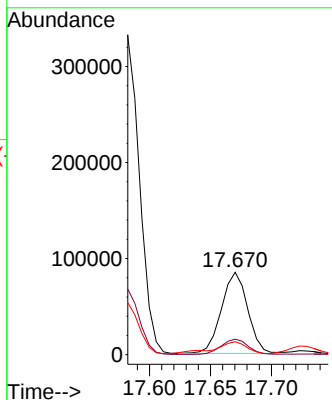
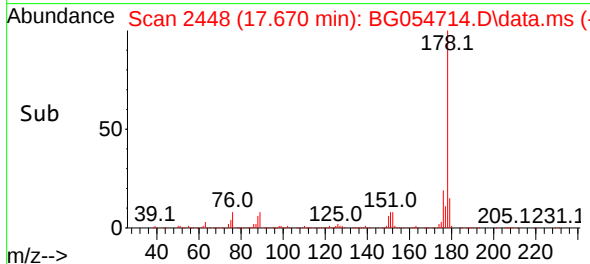
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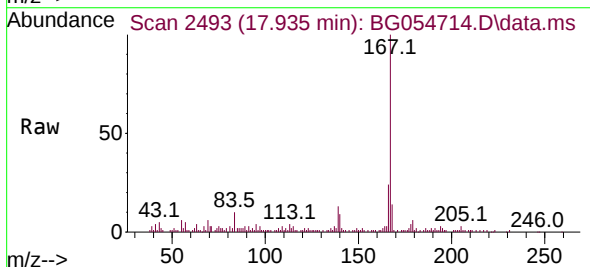
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 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 15.7 12.9 19.3

Manual Integrations
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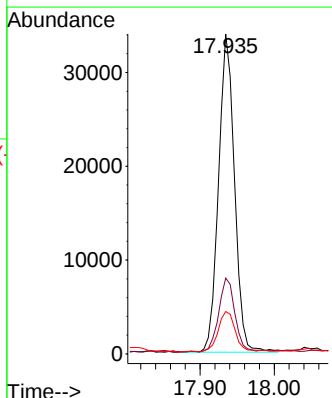
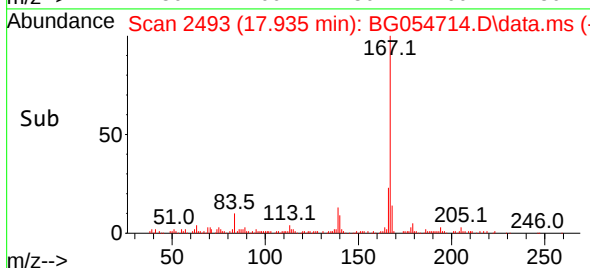
Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

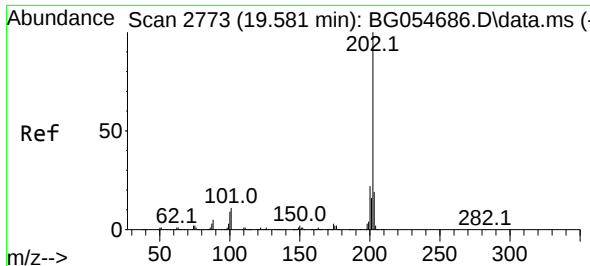


#73
 Carbazole
 Concen: 3.249 ng
 RT: 17.935 min Scan# 2493
 Delta R.T. -0.002 min
 Lab File: BG054714.D
 Acq: 23 Aug 2022 19:46



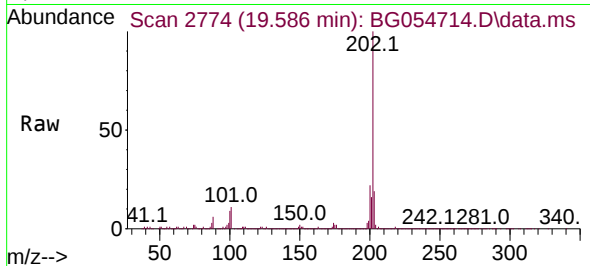
Tgt Ion:167 Resp: 50726
 Ion Ratio Lower Upper
 167 100
 166 23.7 18.8 28.2
 139 13.2 10.2 15.4





#75
Fluoranthene
Concen: 33.366 ng
RT: 19.586 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

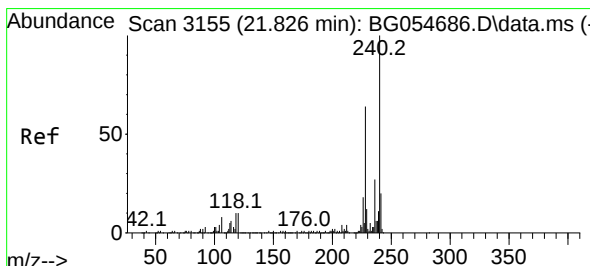
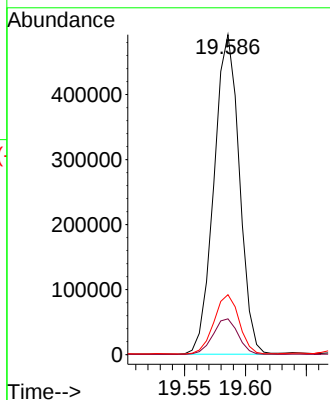
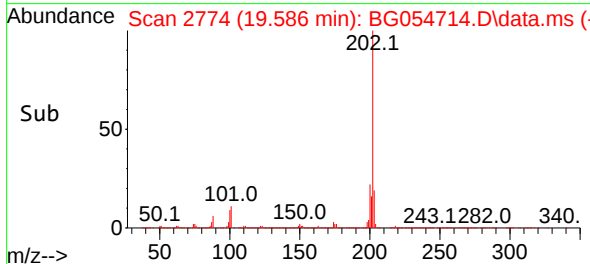
Instrument :
BNA_G
ClientSampleId :
OR-03-081922



Tgt Ion:202 Resp: 71232
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 18.7 0.0 38.6

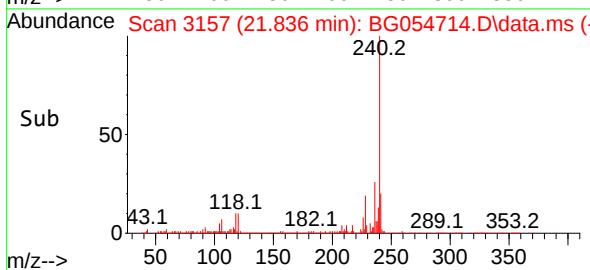
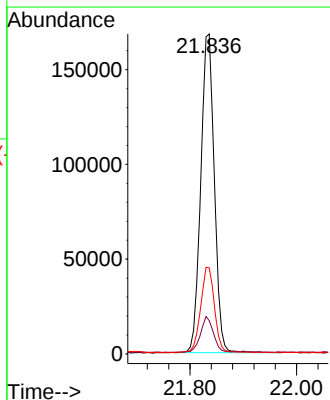
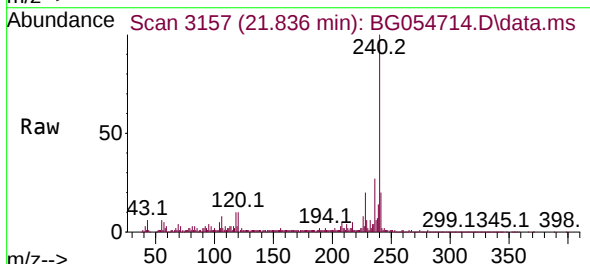
Manual Integrations
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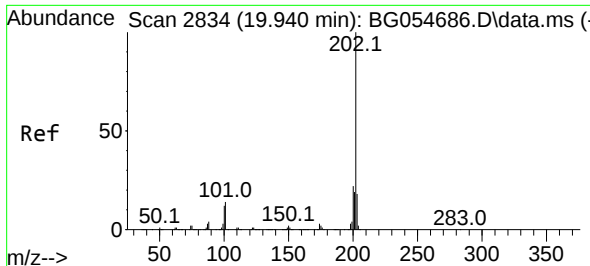
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.836 min Scan# 3157
Delta R.T. 0.010 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

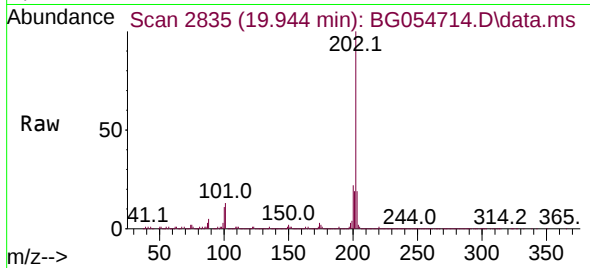
Tgt Ion:240 Resp: 297297
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.4
236 26.9 21.2 31.8





#78
 Pyrene
 Concen: 31.621 ng
 RT: 19.944 min Scan# 2834
 Delta R.T. 0.004 min
 Lab File: BG054714.D
 Acq: 23 Aug 2022 19:46

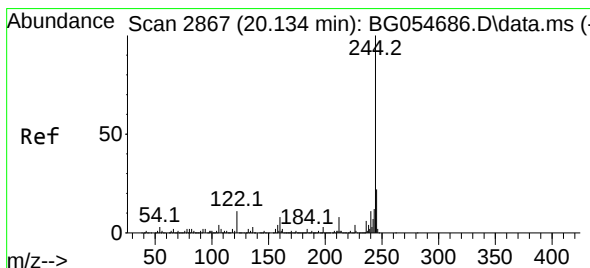
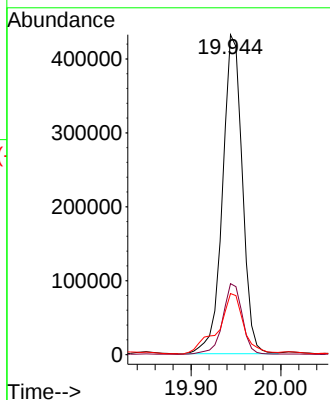
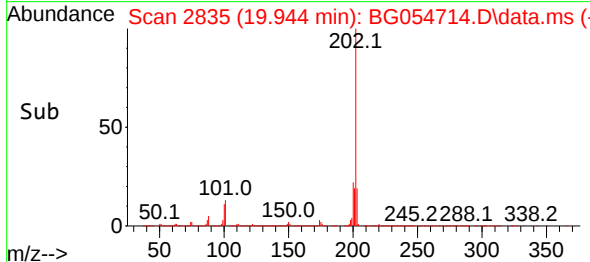
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-081922



Tgt Ion:202 Resp: 663109
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.8 26.6
 203 19.1 14.6 21.8

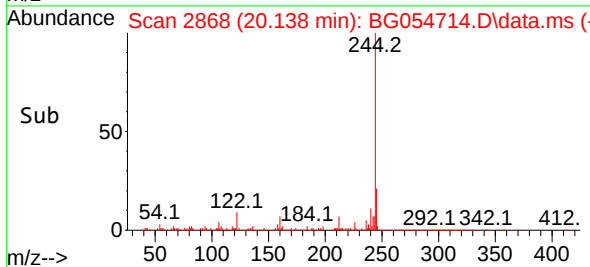
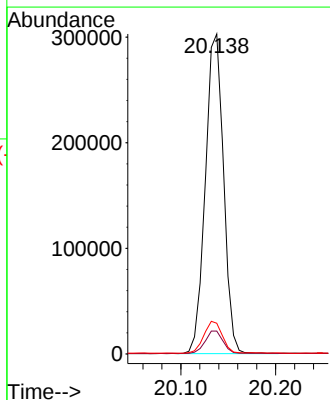
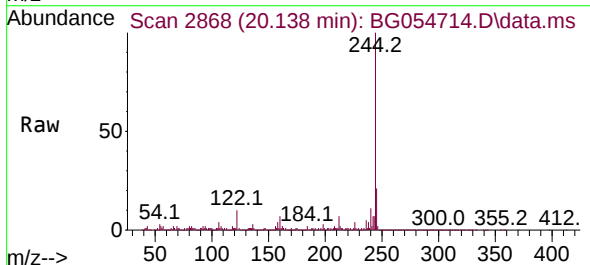
Manual Integrations
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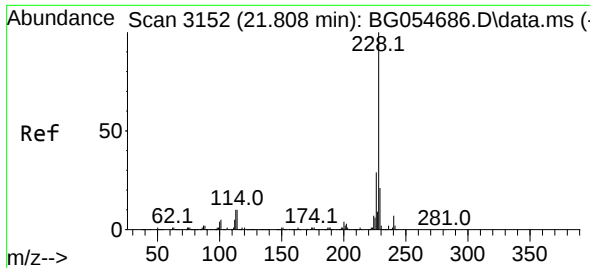
Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022



#79
 Terphenyl-d14
 Concen: 27.026 ng
 RT: 20.138 min Scan# 2868
 Delta R.T. 0.004 min
 Lab File: BG054714.D
 Acq: 23 Aug 2022 19:46

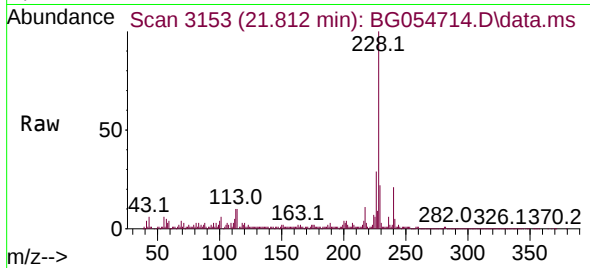
Tgt Ion:244 Resp: 404472
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 15.553 ng
RT: 21.812 min Scan# 3152
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

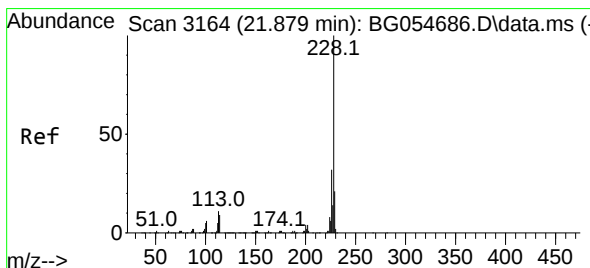
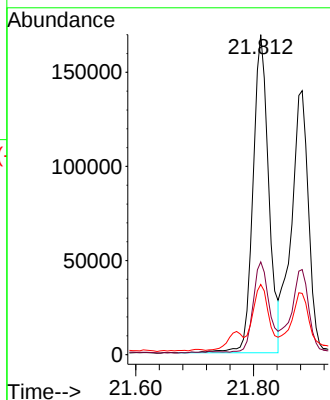
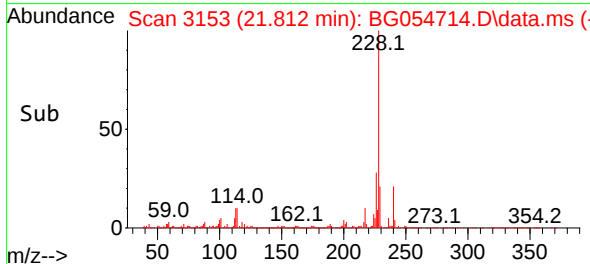
Instrument :
BNA_G
ClientSampleId :
OR-03-081922



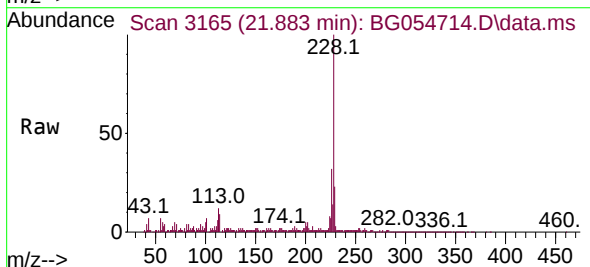
Tgt Ion:228 Resp: 314029
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.2
229 21.9 16.5 24.7

Manual Integrations
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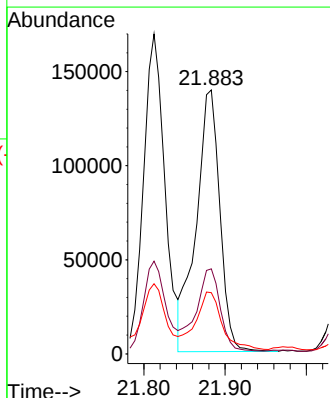
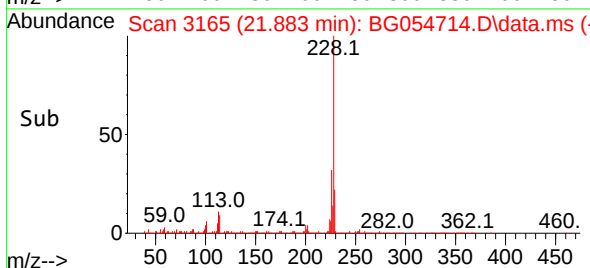
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

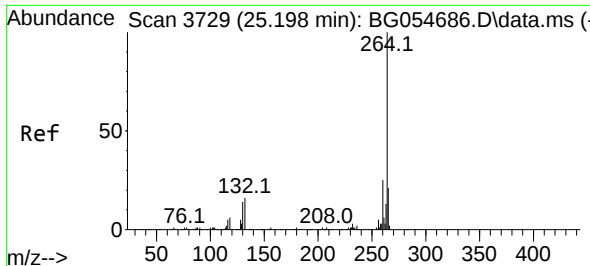


#83
Chrysene
Concen: 14.725 ng
RT: 21.883 min Scan# 3165
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46



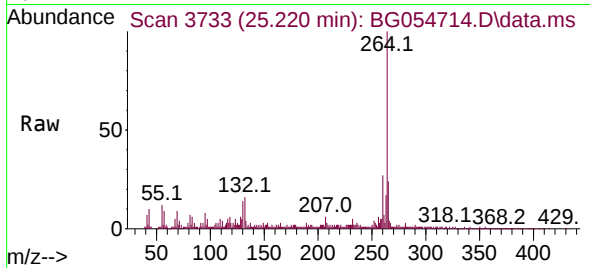
Tgt Ion:228 Resp: 282937
Ion Ratio Lower Upper
228 100
226 32.2 25.5 38.3
229 23.2 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.220 min Scan# 31
Delta R.T. 0.022 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

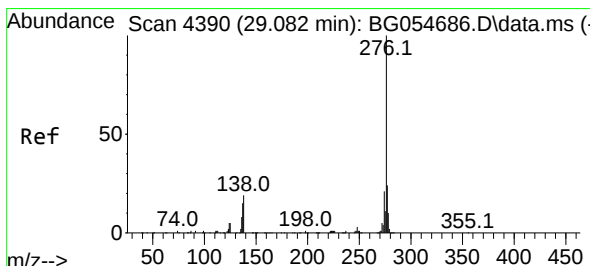
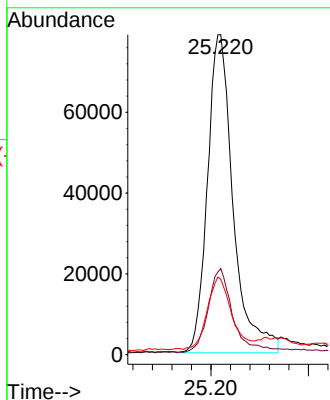
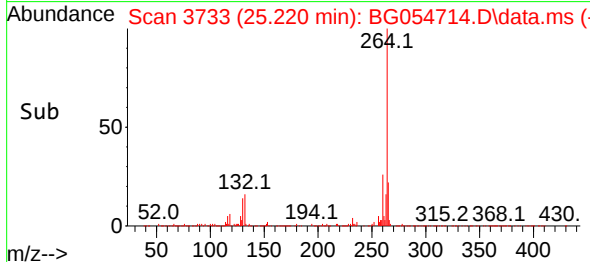
Instrument :
BNA_G
ClientSampleId :
OR-03-081922



Tgt Ion:264 Resp: 289094
Ion Ratio Lower Upper
264 100
260 26.9 19.9 29.9
265 23.6 16.9 25.3

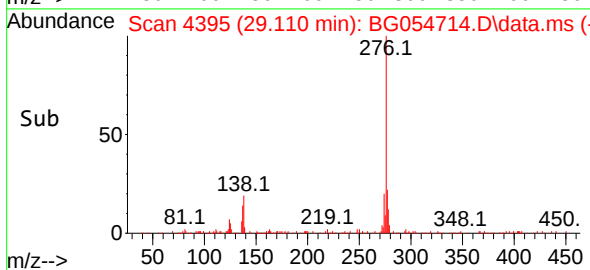
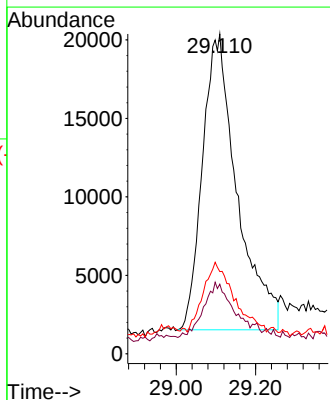
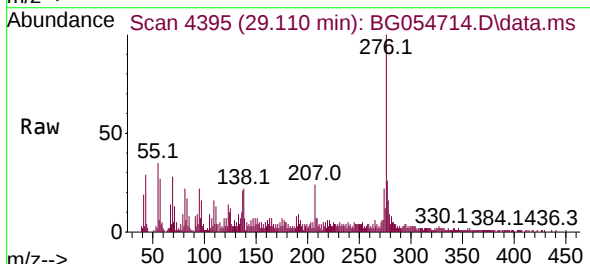
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APPROVED

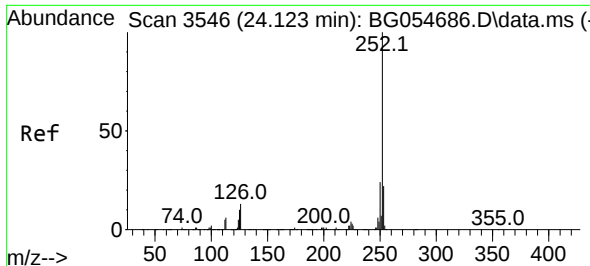
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.289 ng
RT: 29.110 min Scan# 4395
Delta R.T. 0.028 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

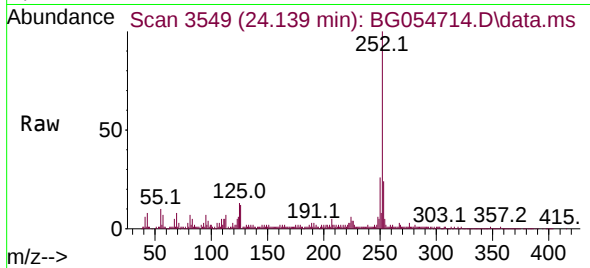
Tgt Ion:276 Resp: 114105
Ion Ratio Lower Upper
276 100
138 15.6 12.0 18.0
277 20.6 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 19.024 ng
RT: 24.139 min Scan# 3549
Delta R.T. 0.016 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

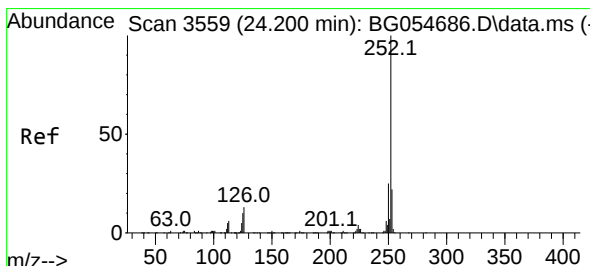
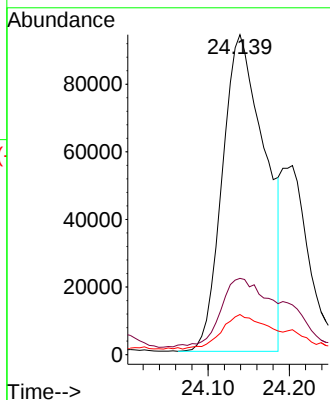
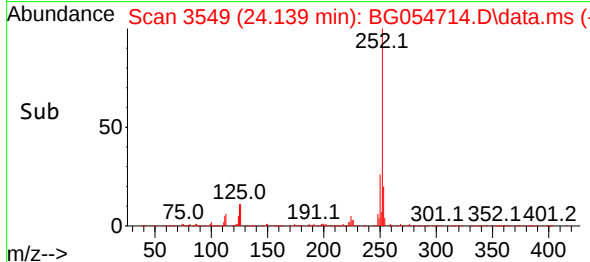
Instrument :
BNA_G
ClientSampleId :
OR-03-081922



Tgt Ion:252 Resp: 341492
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 12.5 8.1 12.1

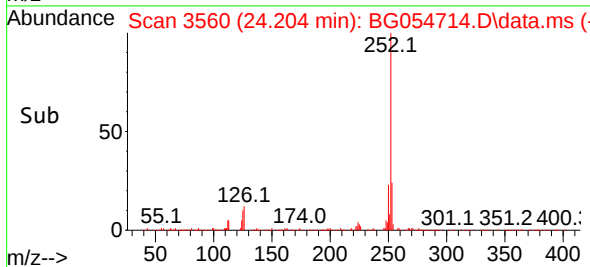
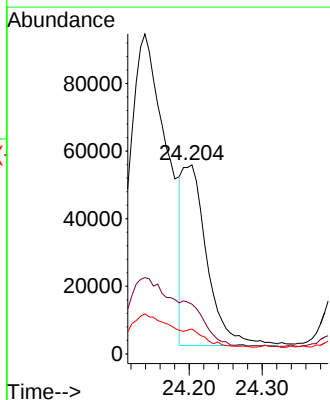
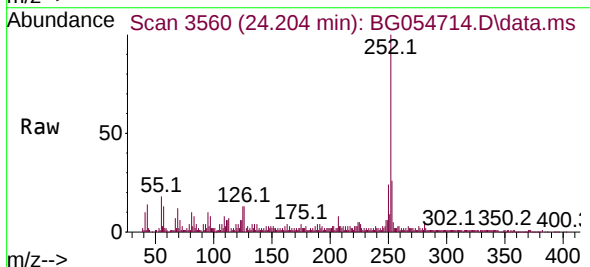
Manual Integrations
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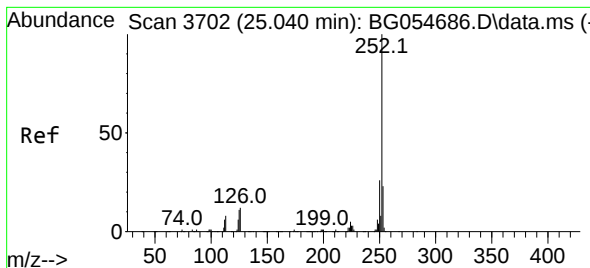
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#89
Benzo(k)fluoranthene
Concen: 6.780 ng m
RT: 24.204 min Scan# 3560
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion:252 Resp: 125599
Ion Ratio Lower Upper
252 100
253 26.3 17.8 26.8
125 13.2 8.2 12.4





#90

Benzo(a)pyrene

Concen: 17.924 ng

RT: 25.056 min Scan# 31

Delta R.T. 0.016 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

Instrument :

BNA_G

ClientSampleId :

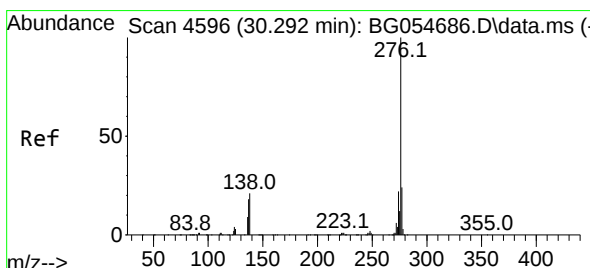
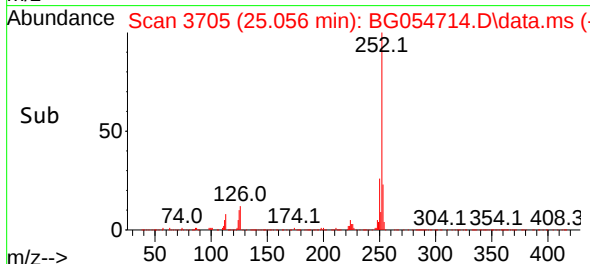
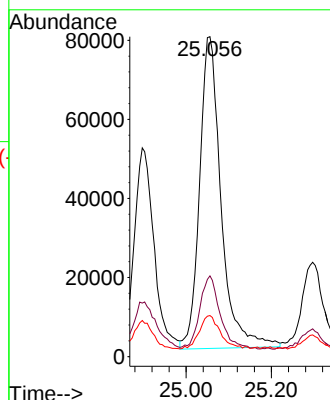
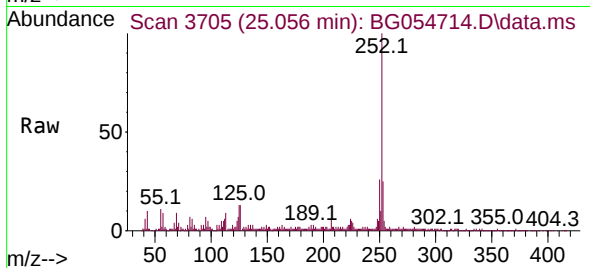
OR-03-081922

Tgt Ion:252 Resp: 276152
 Ion Ratio Lower Upper
 252 100
 253 25.2 18.3 27.5
 125 12.8 8.8 13.2

Manual Integrations

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 Supervised By :Jagrut Upadhyay 08/24/2022



#92

Benzo(g,h,i)perylene

Concen: 6.219 ng

RT: 30.320 min Scan# 4601

Delta R.T. 0.028 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

Tgt Ion:276 Resp: 107742
 Ion Ratio Lower Upper
 276 100
 277 29.9 19.4 29.0#
 138 21.7 16.6 25.0

