

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020822\
 Data File : BG052326.D
 Acq On : 8 Feb 2022 19:28
 Operator : CG/JU
 Sample : N1401-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124055

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/09/2022
 Supervised By : mohammad ahmed 02/15/2022

Quant Time: Feb 09 01:26:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 08 01:21:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	36508	20.000	ng	0.00
21) Naphthalene-d8	11.067	136	153307	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	100625	20.000	ng	0.00
64) Phenanthrene-d10	17.623	188	217093	20.000	ng	0.00
76) Chrysene-d12	21.941	240	187804	20.000	ng	0.00
86) Perylene-d12	25.419	264	171977	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.757	112	227544	108.628	ng	0.00
7) Phenol-d6	7.372	99	330126	102.142	ng	0.00
23) Nitrobenzene-d5	9.405	82	235584	66.786	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	155362	107.469	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	440912	60.886	ng	0.00
79) Terphenyl-d14	20.220	244	567628	53.372	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.402	94	7839	2.441	ng	85
58) Fluorene	15.920	166	16481	2.166	ng	95
71) Phenanthrene	17.670	178	133509	11.930	ng	97
72) Anthracene	17.758	178	38215	3.485	ng	99
75) Fluoranthene	19.673	202	210621	14.780	ng	100
78) Pyrene	20.032	202	176016	14.007	ng	98
81) Benzo(a)anthracene	21.917	228	92371	7.433	ng	98
83) Chrysene	21.994	228	80366	6.824	ng	97
84) Bis(2-ethylhexyl)phtha...	21.800	149	22773	3.762	ng	# 96
87) Indeno(1,2,3-cd)pyrene	29.431	276	32469m	2.580	ng	
88) Benzo(b)fluoranthene	24.308	252	94388	8.807	ng	98
89) Benzo(k)fluoranthene	24.373	252	42564m	4.020	ng	
90) Benzo(a)pyrene	25.248	252	67113	7.413	ng	# 95
92) Benzo(g,h,i)perylene	30.688	276	21904m	2.147	ng	

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

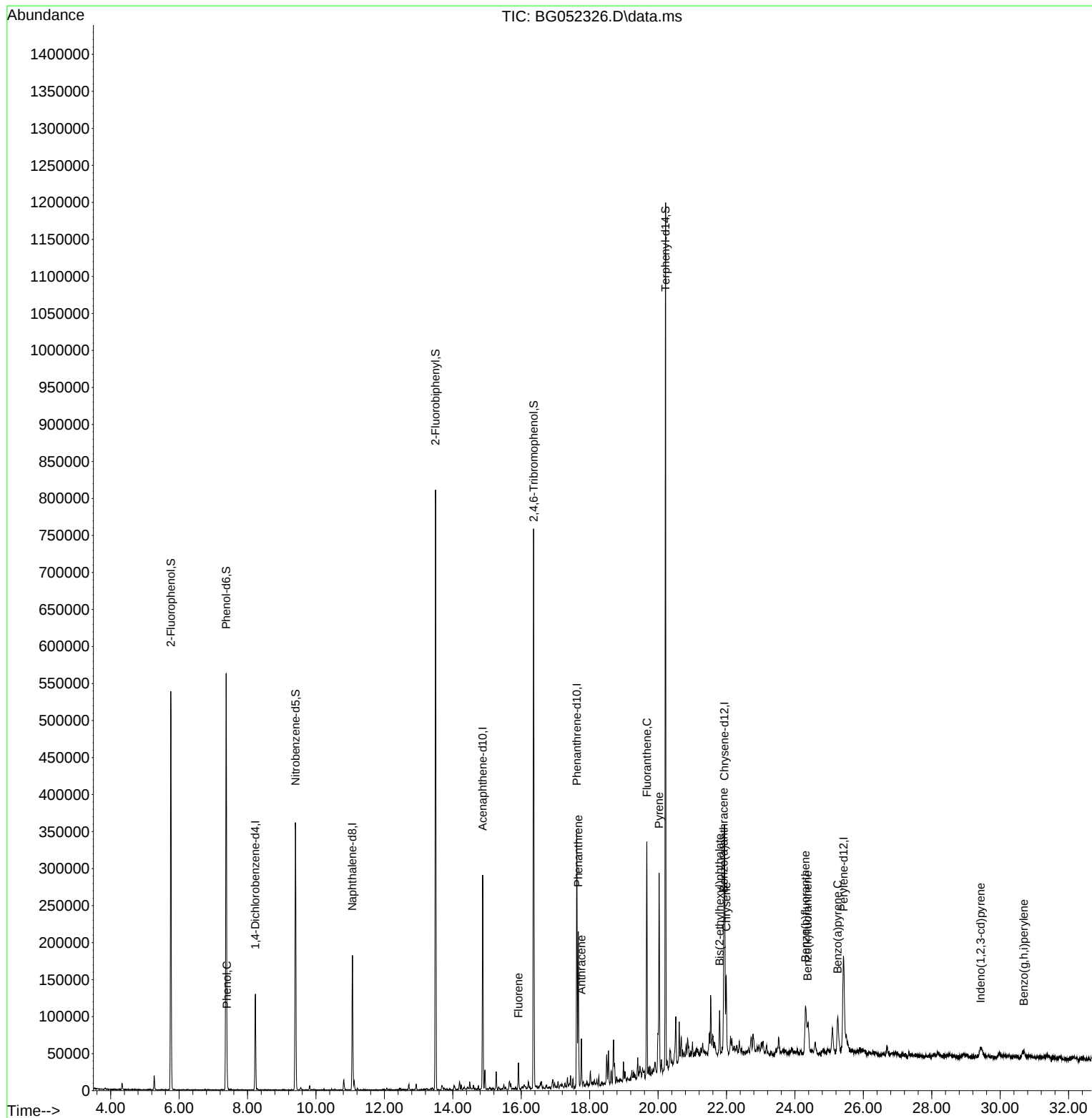
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Data File : BG052326.D
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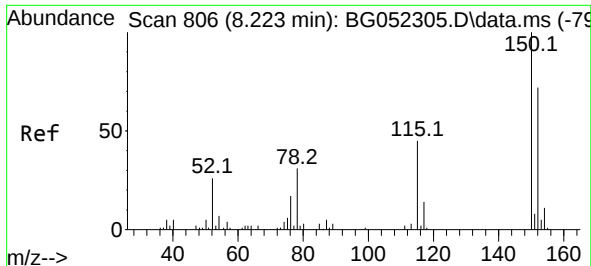
Instrument :
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Quant Time: Feb 09 01:26:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
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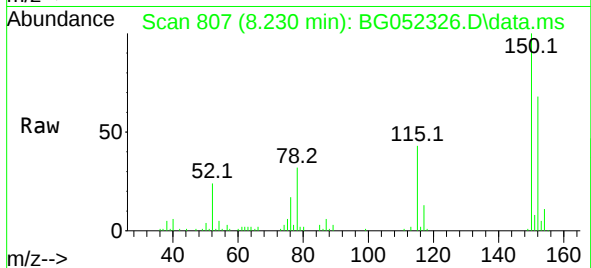
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 806
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Instrument :

BNA_G

ClientSampleId :

PSC-124055

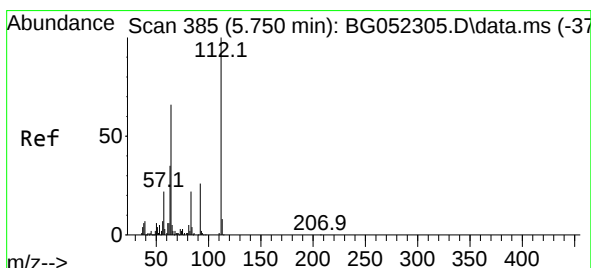
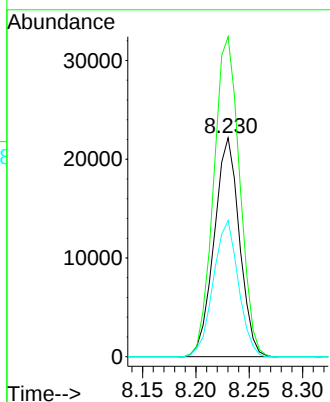
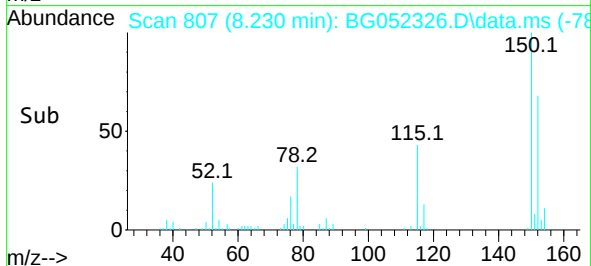


Tgt Ion:152 Resp: 36508
Ion Ratio Lower Upper
152 100
150 146.2 117.8 176.8
115 62.2 50.2 75.2

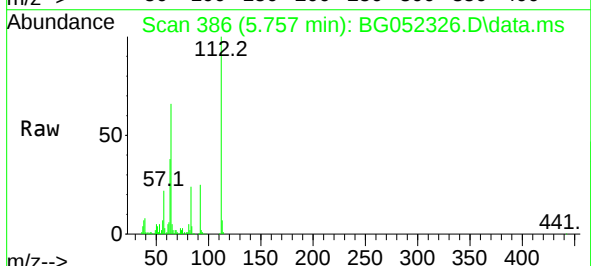
Manual Integrations

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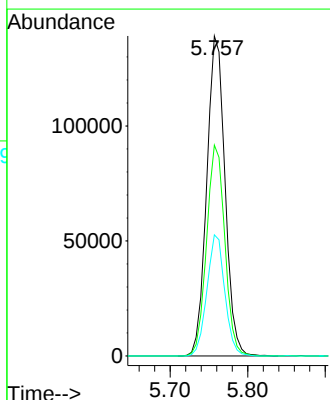
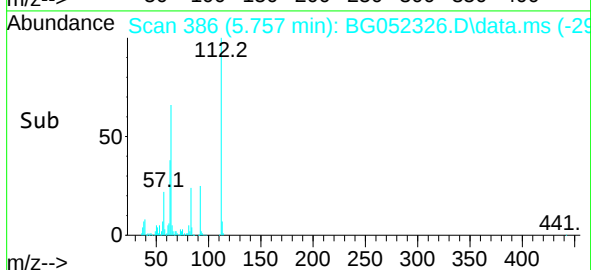
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022

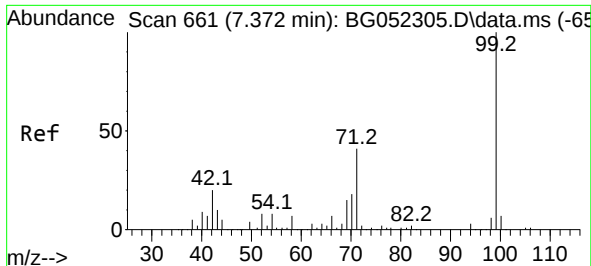


#5
2-Fluorophenol
Concen: 108.628 ng
RT: 5.757 min Scan# 386
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28



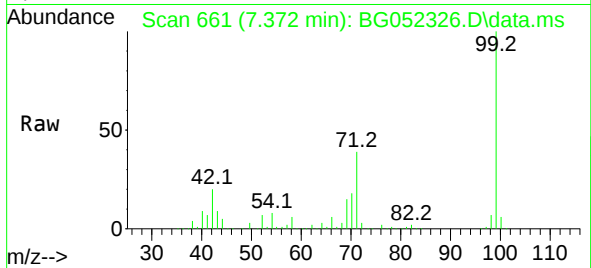
Tgt Ion:112 Resp: 227544
Ion Ratio Lower Upper
112 100
64 65.9 60.4 90.6
63 37.9 33.3 49.9





#7
Phenol-d6
Concen: 102.142 ng
RT: 7.372 min Scan# 661
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

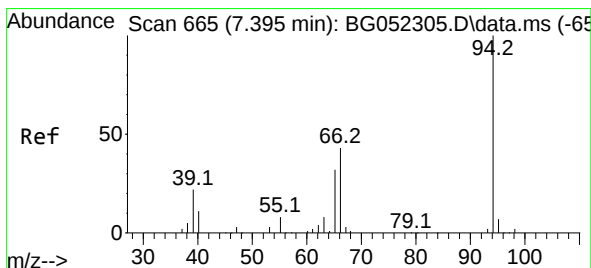
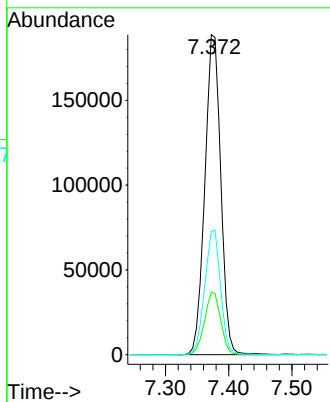
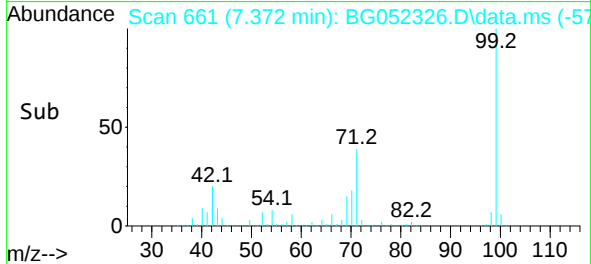
Instrument :
BNA_G
ClientSampleId :
PSC-124055



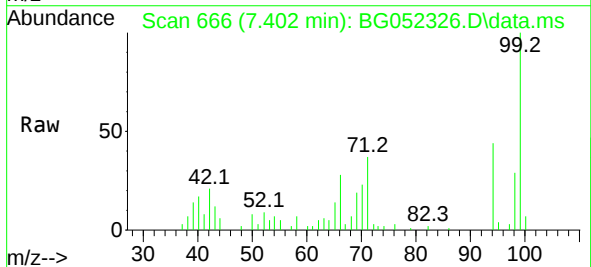
Tgt Ion: 99 Resp: 330120
Ion Ratio Lower Upper
99 100
42 19.5 19.1 28.7
71 38.5 33.4 50.2

Manual Integrations
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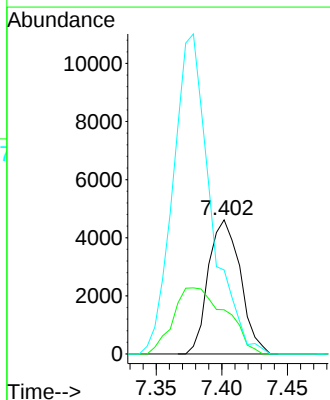
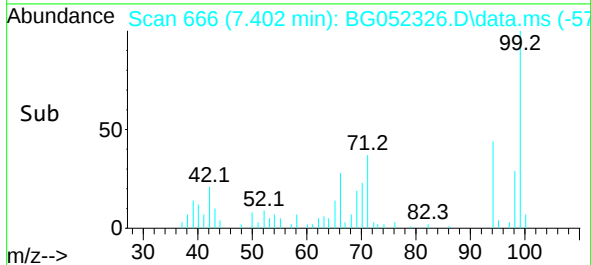
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022

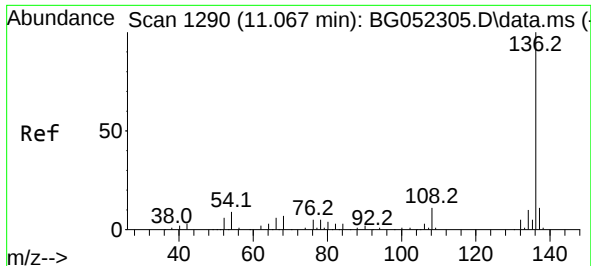


#10
Phenol
Concen: 2.441 ng
RT: 7.402 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28



Tgt Ion: 94 Resp: 7839
Ion Ratio Lower Upper
94 100
65 32.9 14.1 54.1
66 62.6 26.6 66.6





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.067 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Instrument :

BNA_G

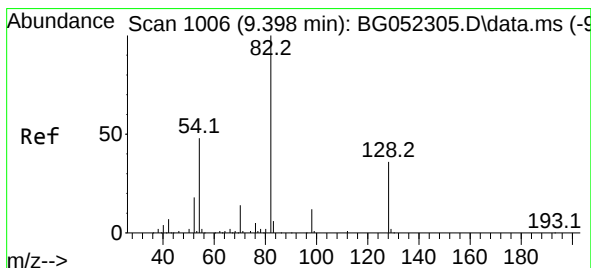
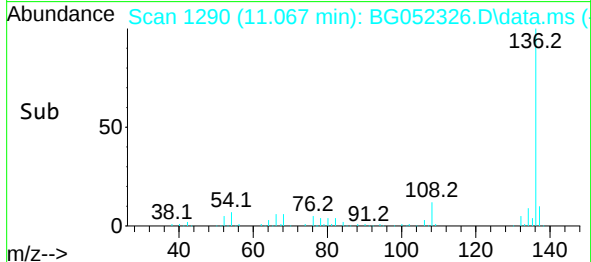
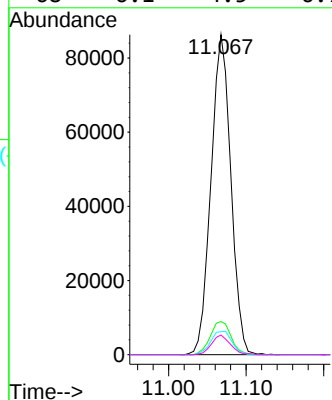
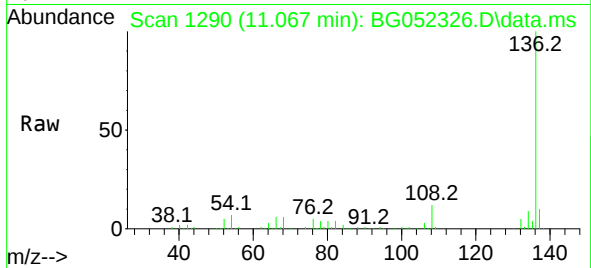
ClientSampleId :

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Tgt Ion:136 Resp: 153307
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 7.1 8.3 12.5
68 6.1 4.5 6.7

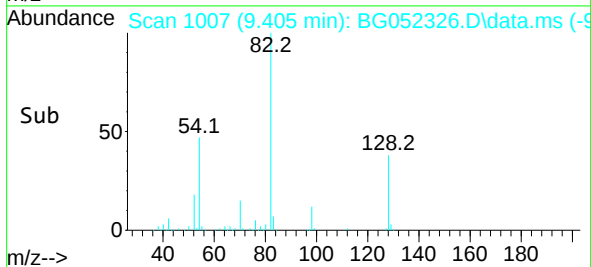
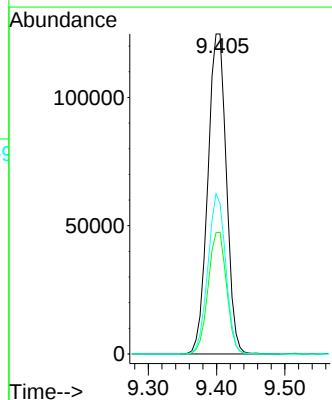
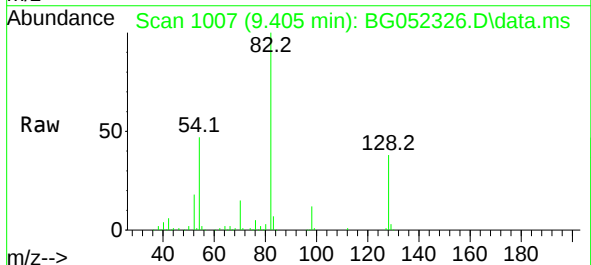
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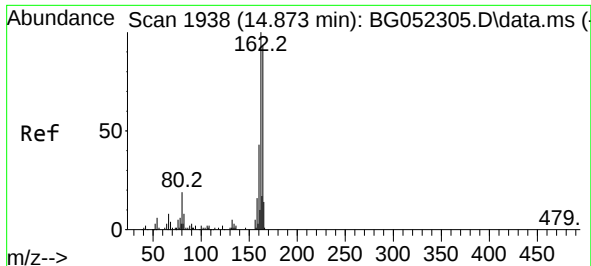
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022



#23
Nitrobenzene-d5
Concen: 66.786 ng
RT: 9.405 min Scan# 1007
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion: 82 Resp: 235584
Ion Ratio Lower Upper
82 100
128 38.0 27.0 40.4
54 47.1 41.0 61.6





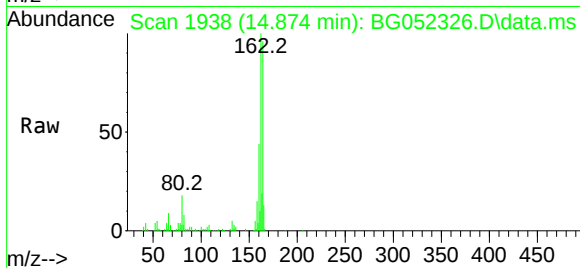
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Instrument :

BNA_G

ClientSampleId :

PSC-124055

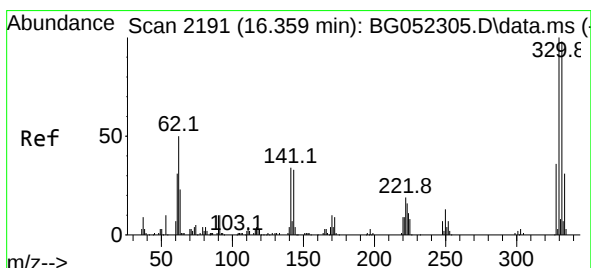
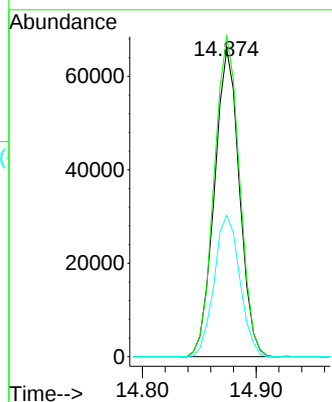
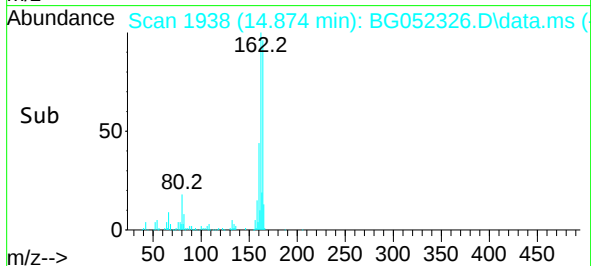


Tgt Ion:164 Resp: 100629
Ion Ratio Lower Upper
164 100
162 104.2 82.2 123.2
160 45.9 36.2 54.2

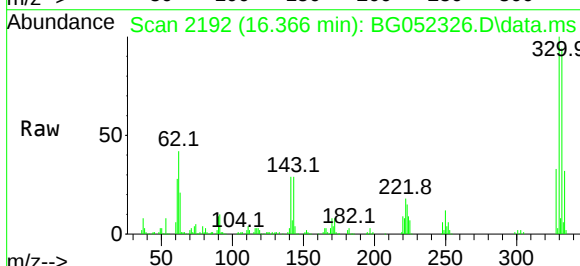
Manual Integrations

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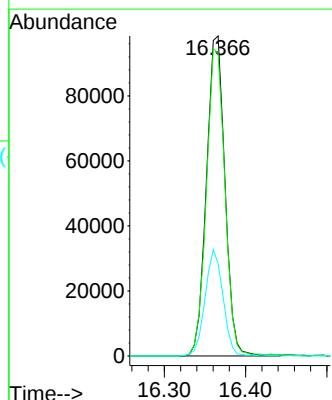
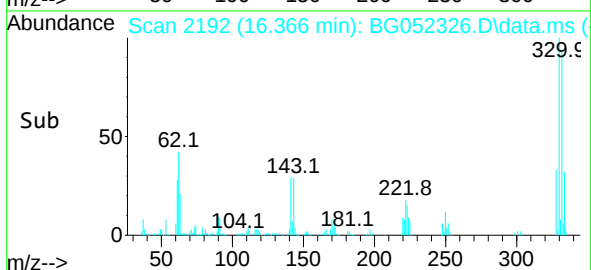
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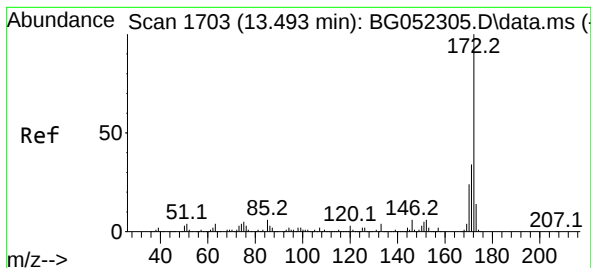


#42
2,4,6-Tribromophenol
Concen: 107.469 ng
RT: 16.366 min Scan# 2192
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28



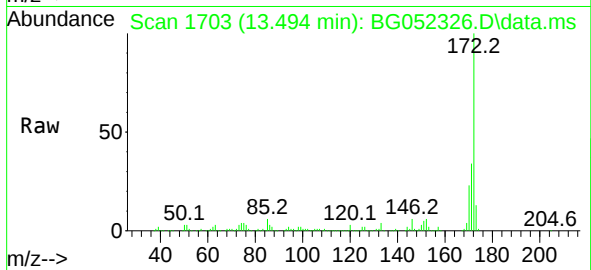
Tgt Ion:330 Resp: 155362
Ion Ratio Lower Upper
330 100
332 96.2 78.6 117.8
141 32.2 28.8 43.2





#45
2-Fluorobiphenyl
Concen: 60.886 ng
RT: 13.494 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

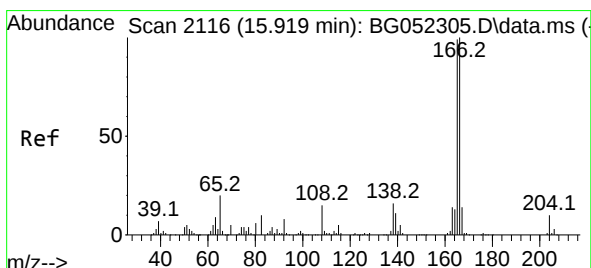
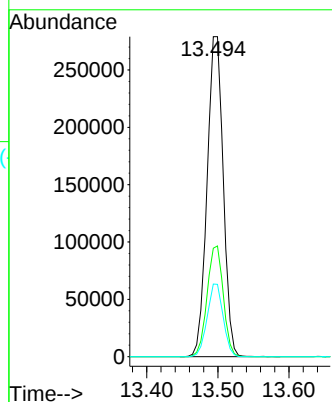
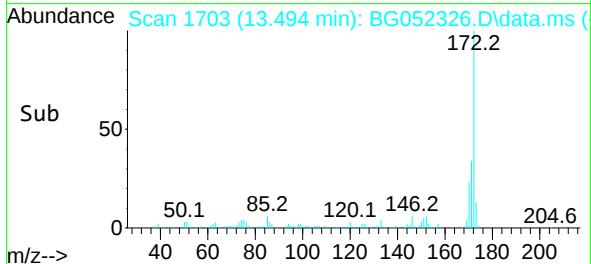
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BNA_G
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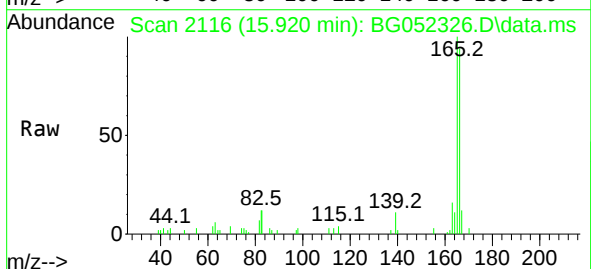
Tgt Ion:172 Resp: 440912
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.7 18.3 27.5

Manual Integrations
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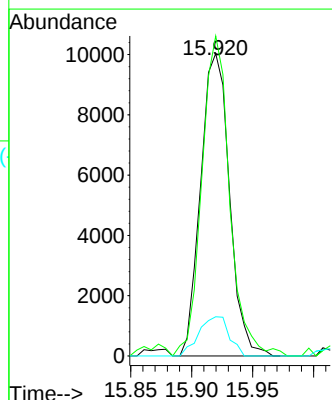
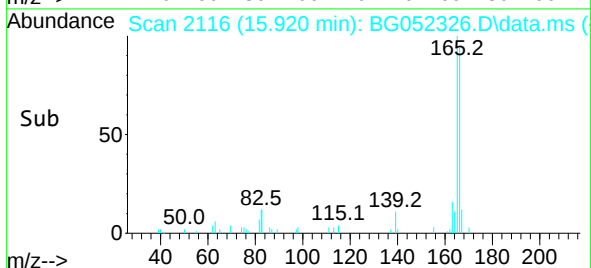
Reviewed By :Christian Giraldo 02/09/2022
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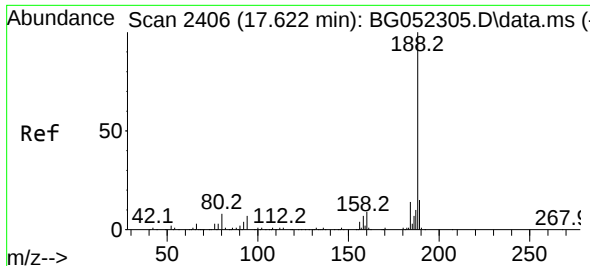


#58
Fluorene
Concen: 2.166 ng
RT: 15.920 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28



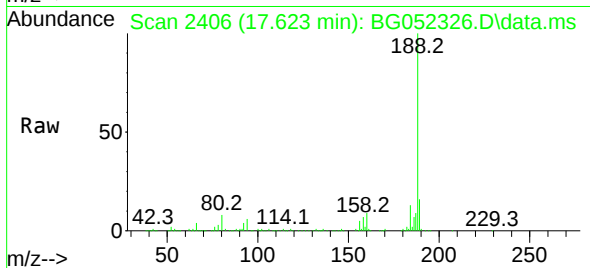
Tgt Ion:166 Resp: 16481
Ion Ratio Lower Upper
166 100
165 105.8 80.0 120.0
167 12.9 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.623 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

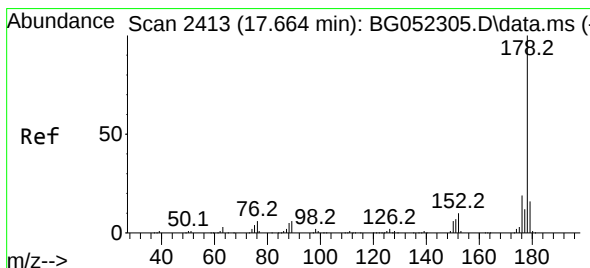
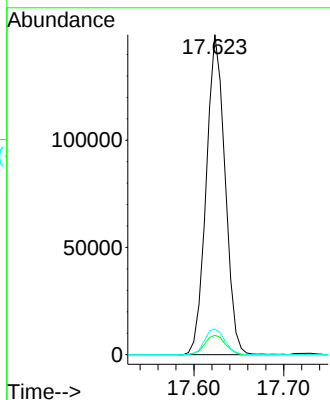
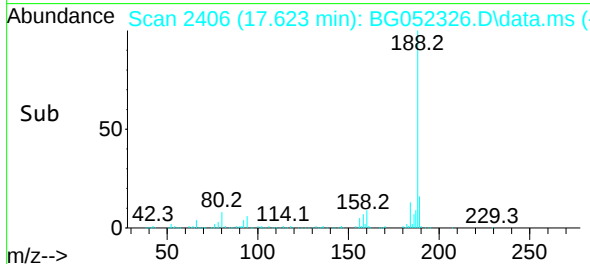
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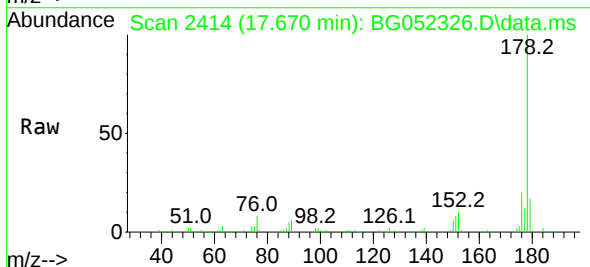
Tgt Ion:188 Resp: 21709
Ion Ratio Lower Upper
188 100
94 6.0 5.9 8.9
80 8.1 6.6 10.0

Manual Integrations
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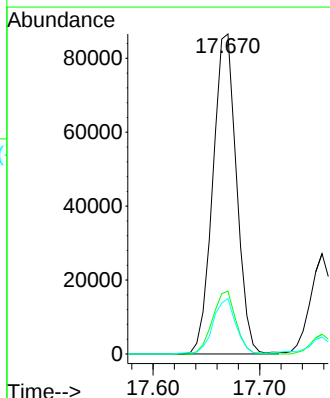
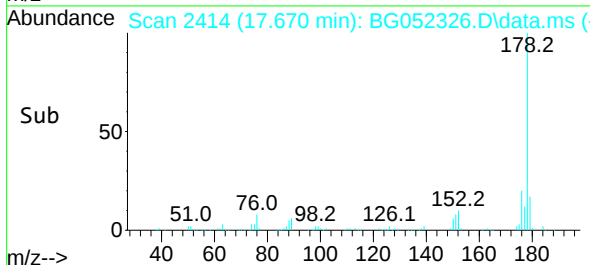
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022

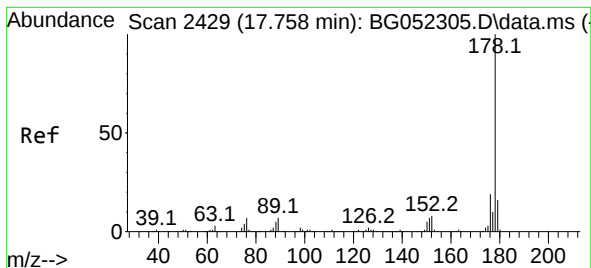


#71
Phenanthrene
Concen: 11.930 ng
RT: 17.670 min Scan# 2414
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28



Tgt Ion:178 Resp: 133509
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 17.3 12.6 18.8





#72

Anthracene

Concen: 3.485 ng

RT: 17.758 min Scan# 2429

Delta R.T. 0.001 min

Lab File: BG052326.D

Acq: 8 Feb 2022 19:28

Instrument :

BNA_G

ClientSampleId :

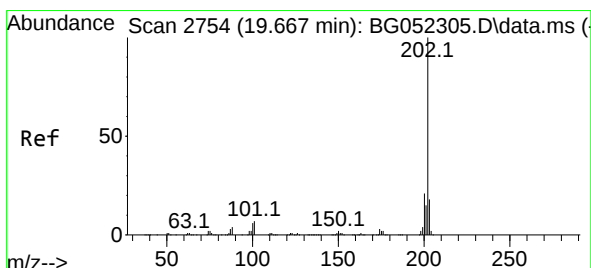
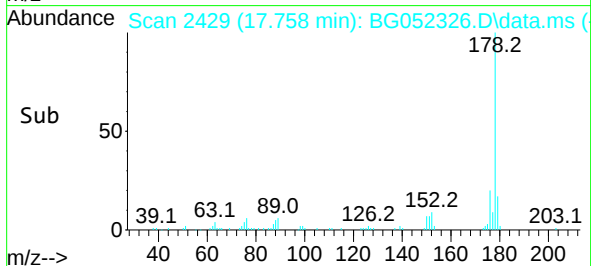
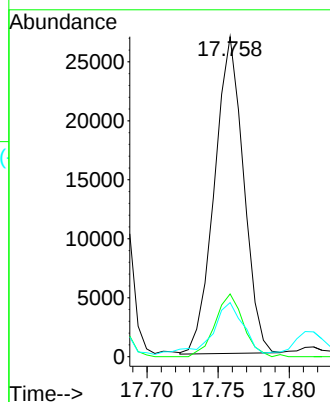
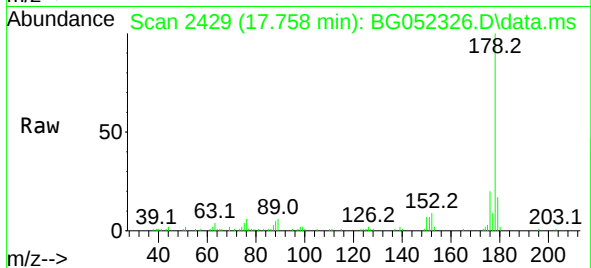
PSC-124055

Tgt Ion:	178	Resp:	3821
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.3	22.9
179	16.9	13.1	19.7

Manual Integrations

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Reviewed By :Christian Giraldo 02/09/2022
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#75

Fluoranthene

Concen: 14.780 ng

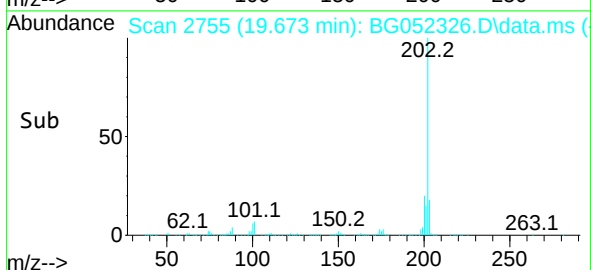
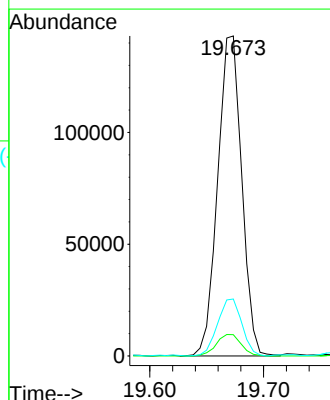
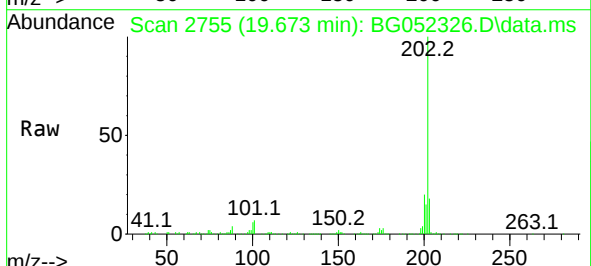
RT: 19.673 min Scan# 2755

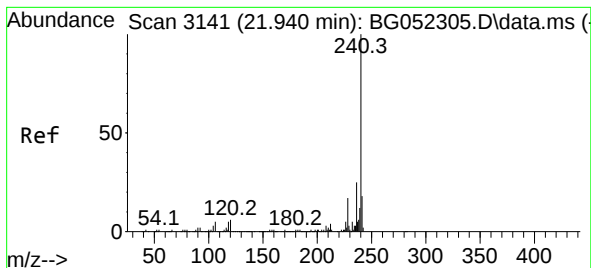
Delta R.T. 0.007 min

Lab File: BG052326.D

Acq: 8 Feb 2022 19:28

Tgt Ion:	202	Resp:	210621
Ion Ratio	Lower	Upper	
202	100		
101	6.7	0.0	27.1
203	17.8	0.0	37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.941 min Scan# 3141

Delta R.T. 0.001 min

Lab File: BG052326.D

Acq: 8 Feb 2022 19:28

Instrument :

BNA_G

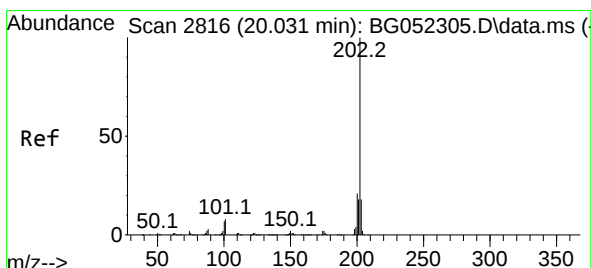
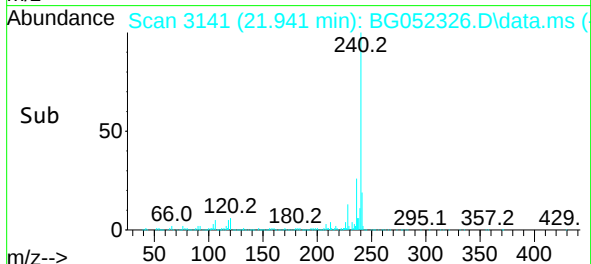
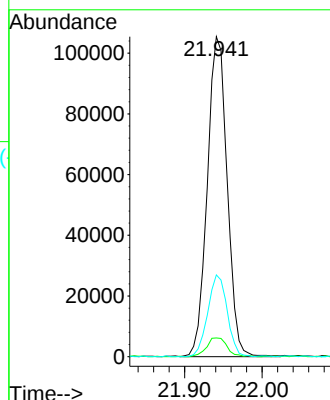
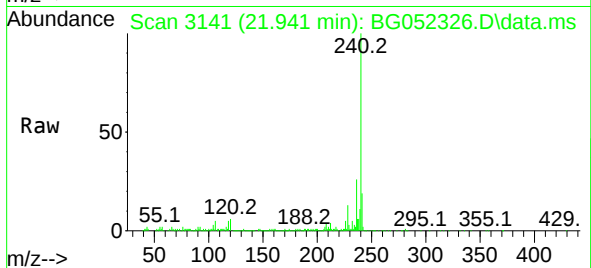
ClientSampleId :

PSC-124055

Tgt Ion:240 Resp: 187804
 Ion Ratio Lower Upper
 240 100
 120 5.9 4.4 6.6
 236 25.6 20.8 31.2

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Reviewed By :Christian Giraldo 02/09/2022
 Supervised By :mohammad ahmed 02/15/2022



#78

Pyrene

Concen: 14.007 ng

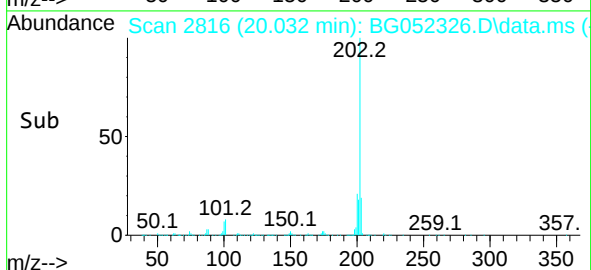
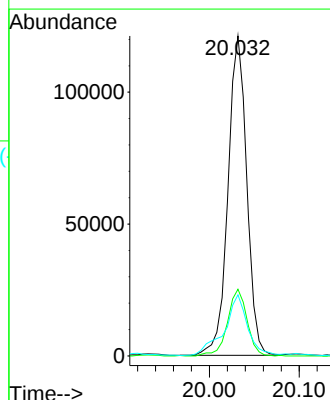
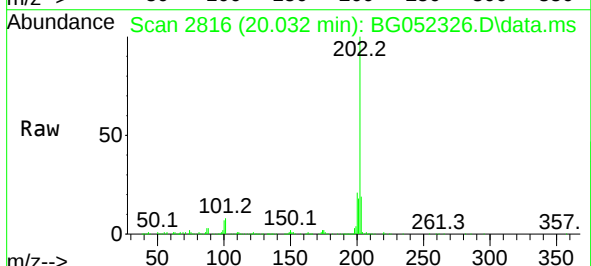
RT: 20.032 min Scan# 2816

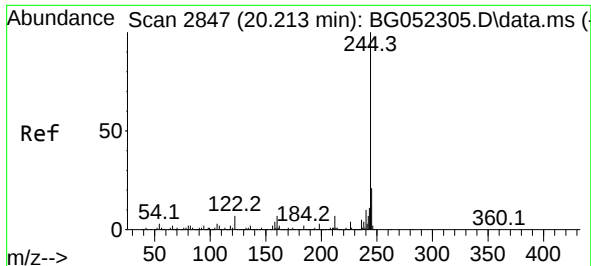
Delta R.T. 0.001 min

Lab File: BG052326.D

Acq: 8 Feb 2022 19:28

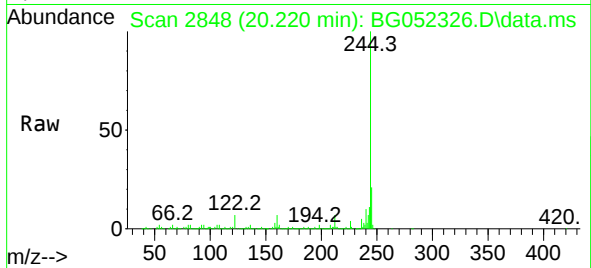
Tgt Ion:202 Resp: 176016
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.4 26.2
 203 19.1 14.5 21.7





#79
Terphenyl-d14
Concen: 53.372 ng
RT: 20.220 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

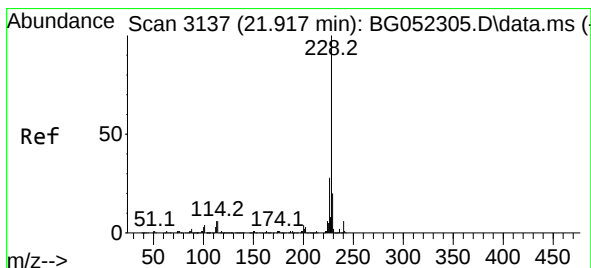
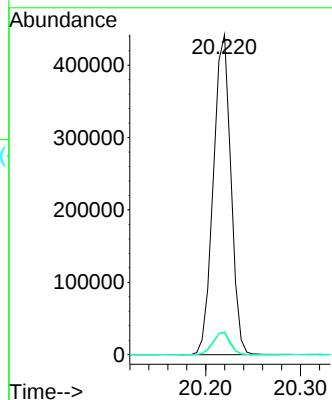
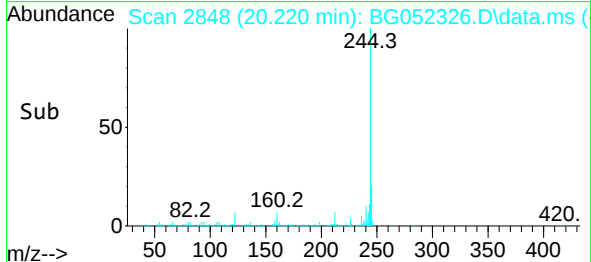
Instrument :
BNA_G
ClientSampleId :
PSC-124055



Tgt Ion:244 Resp: 567628
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 6.7 6.2 9.4

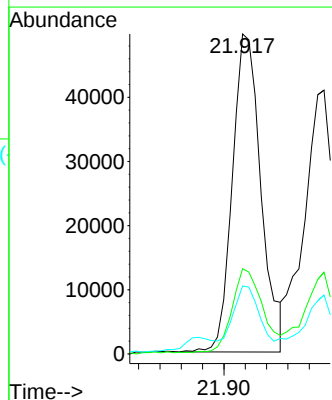
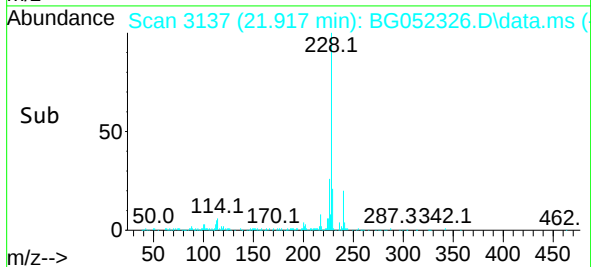
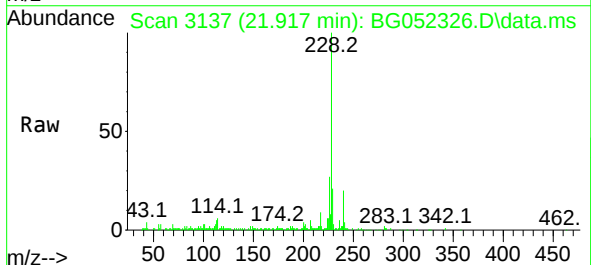
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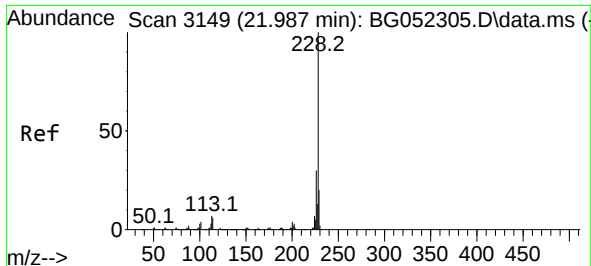
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022



#81
Benzo(a)anthracene
Concen: 7.433 ng
RT: 21.917 min Scan# 3137
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:228 Resp: 92371
Ion Ratio Lower Upper
228 100
226 26.7 21.6 32.4
229 21.2 16.0 24.0





#83

Chrysene

Concen: 6.824 ng

RT: 21.994 min Scan# 3149

Delta R.T. 0.007 min

Lab File: BG052326.D

Acq: 8 Feb 2022 19:28

Instrument :

BNA_G

ClientSampleId :

PSC-124055

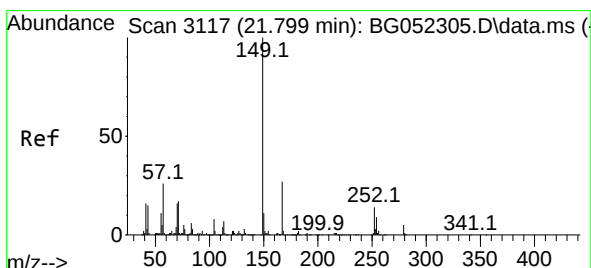
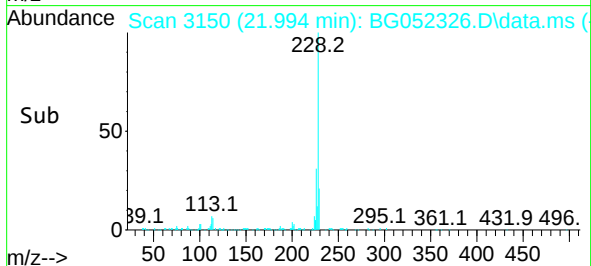
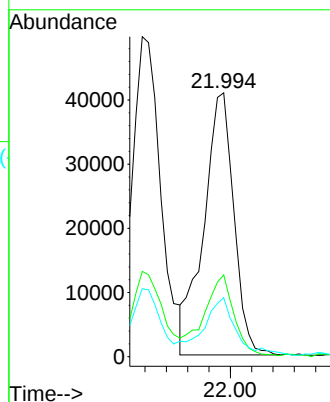
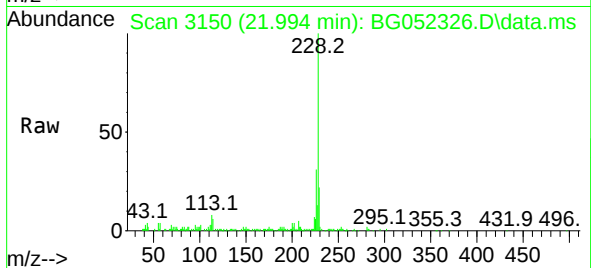
Tgt Ion:228 Resp: 80360

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.1	36.1
229	22.3	16.4	24.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.762 ng

RT: 21.800 min Scan# 3117

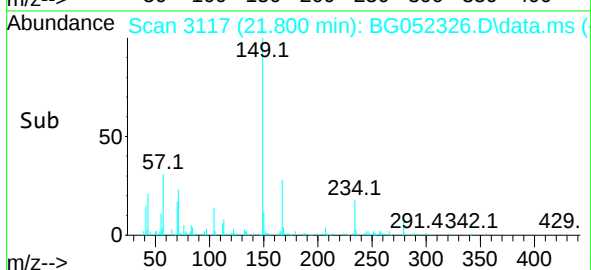
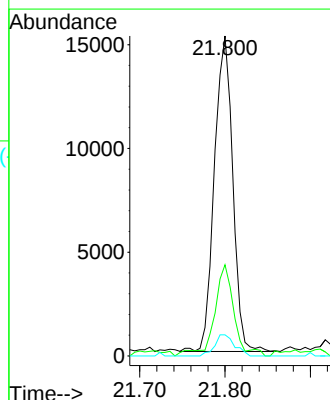
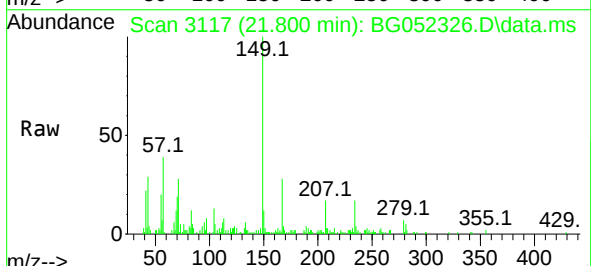
Delta R.T. 0.001 min

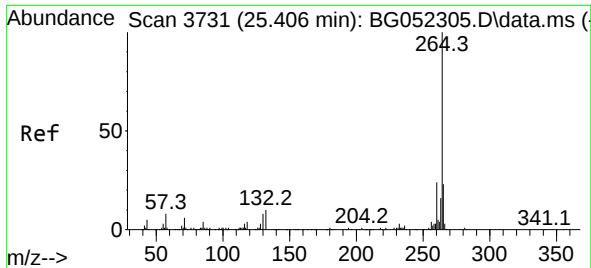
Lab File: BG052326.D

Acq: 8 Feb 2022 19:28

Tgt Ion:149 Resp: 22773

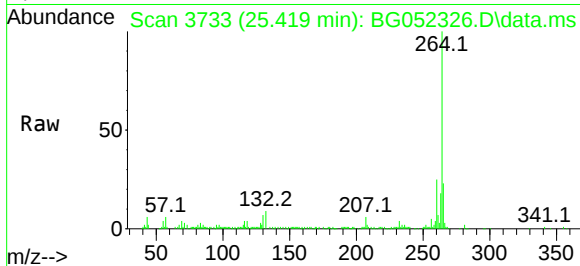
Ion	Ratio	Lower	Upper
149	100		
167	28.5	21.4	32.0
279	6.6	4.2	6.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.419 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: BG052326.D
 Acq: 8 Feb 2022 19:28

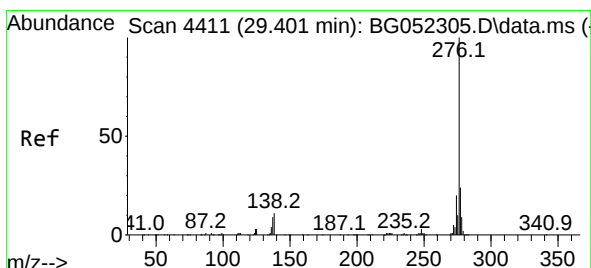
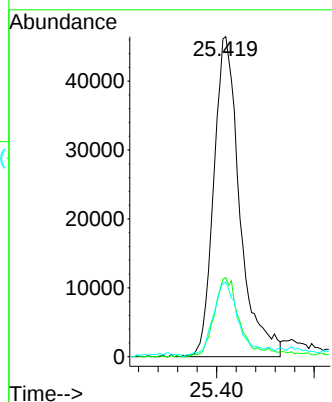
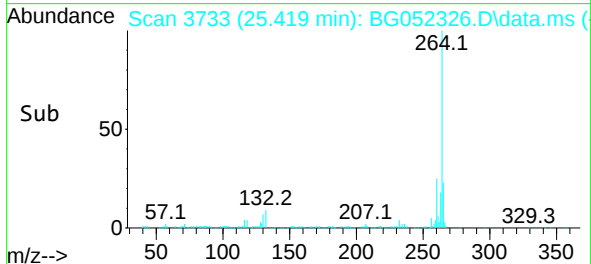
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124055



Tgt Ion:264 Resp: 17197
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.5 27.7
 265 23.3 17.8 26.6

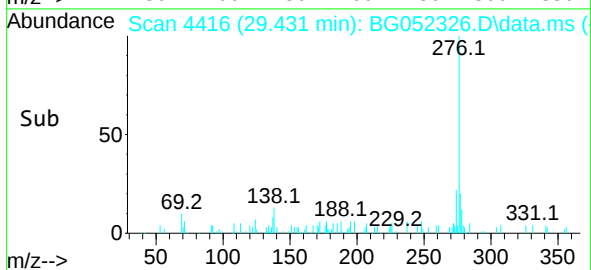
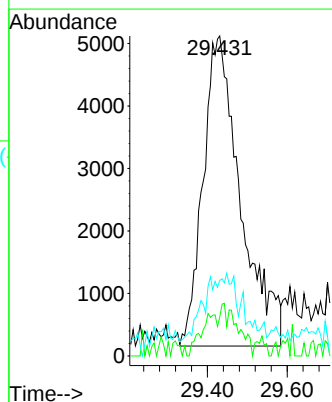
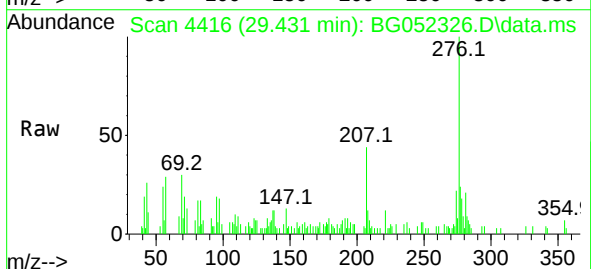
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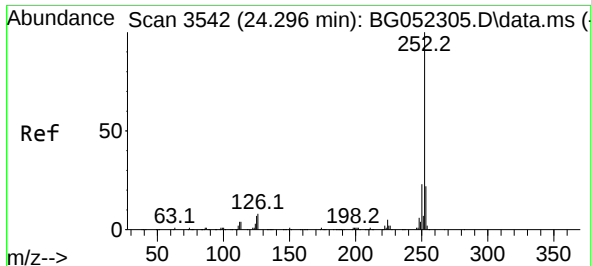
Reviewed By :Christian Giraldo 02/09/2022
 Supervised By :mohammad ahmed 02/15/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.580 ng m
 RT: 29.431 min Scan# 4416
 Delta R.T. 0.030 min
 Lab File: BG052326.D
 Acq: 8 Feb 2022 19:28

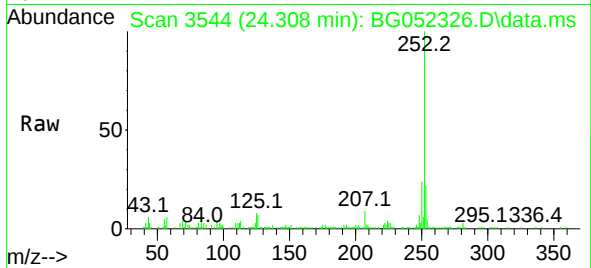
Tgt Ion:276 Resp: 32469
 Ion Ratio Lower Upper
 276 100
 138 1.0 6.1 9.1#
 277 0.0 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 8.807 ng
RT: 24.308 min Scan# 3544
Delta R.T. 0.013 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

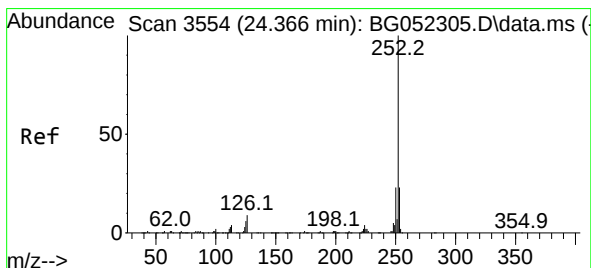
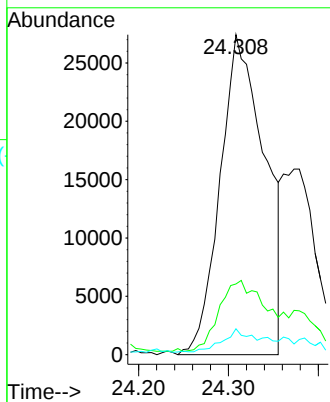
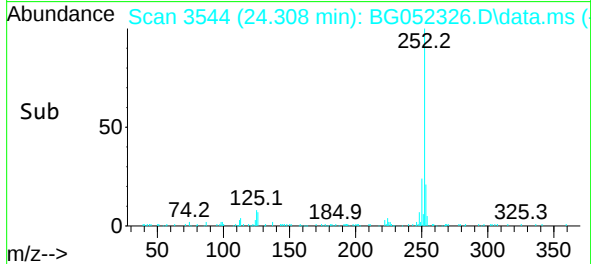
Instrument :
BNA_G
ClientSampleId :
PSC-124055



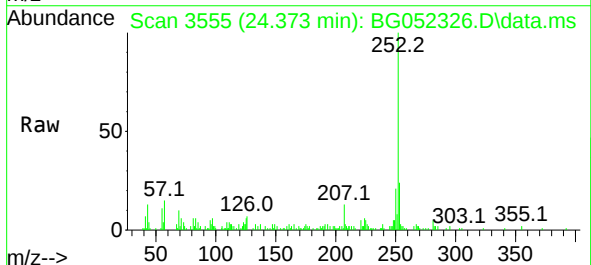
Tgt Ion:252 Resp: 9438
Ion Ratio Lower Upper
252 100
253 22.1 18.3 27.5
125 8.1 5.4 8.2

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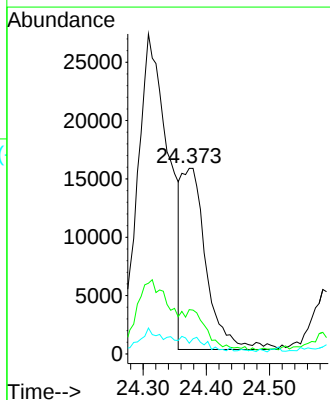
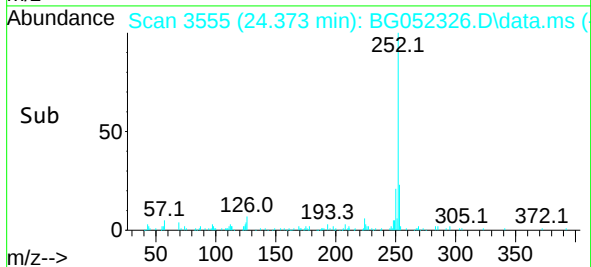
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022

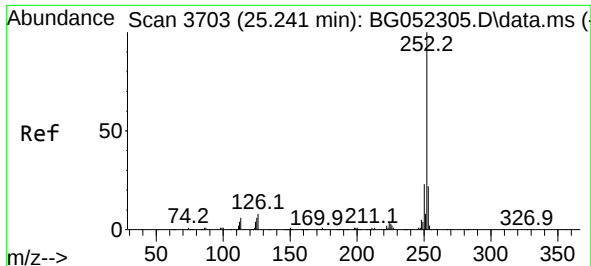


#89
Benzo(k)fluoranthene
Concen: 4.020 ng m
RT: 24.373 min Scan# 3555
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28



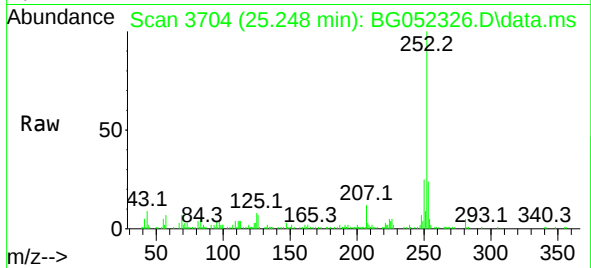
Tgt Ion:252 Resp: 42564
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 5.8 4.6 7.0





#90
Benzo(a)pyrene
Concen: 7.413 ng
RT: 25.248 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

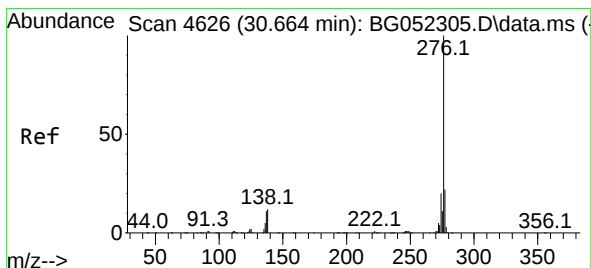
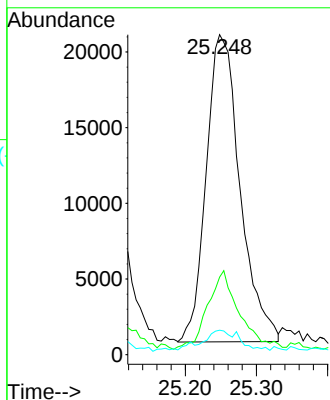
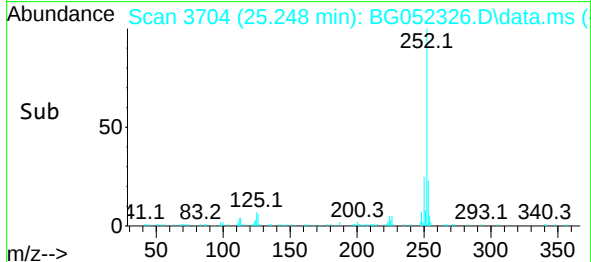
Instrument :
BNA_G
ClientSampleId :
PSC-124055



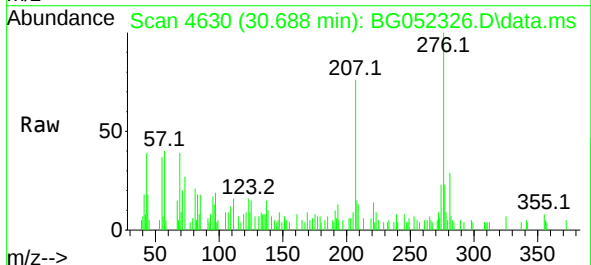
Tgt Ion:252 Resp: 6711
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 7.7 5.0 7.6

Manual Integrations
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Reviewed By :Christian Giraldo 02/09/2022
Supervised By :mohammad ahmed 02/15/2022



#92
Benzo(g,h,i)perylene
Concen: 2.147 ng m
RT: 30.688 min Scan# 4630
Delta R.T. 0.024 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28



Tgt Ion:276 Resp: 21904
Ion Ratio Lower Upper
276 100
277 23.0 18.2 27.2
138 10.1 9.1 13.7

