

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020922\
 Data File : BG052334.D
 Acq On : 9 Feb 2022 14:32
 Operator : CG/JU
 Sample : N1362-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-342

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/10/2022
 Supervised By : Jagrut Upadhyay 02/11/2022

Quant Time: Feb 09 15:34:26 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	8.228	152	29512	20.000	ng	0.00
21) Naphthalene-d8	11.065	136	129770	20.000	ng	# 0.00
39) Acenaphthene-d10	14.872	164	95074	20.000	ng	0.00
64) Phenanthrene-d10	17.621	188	224465	20.000	ng	0.00
76) Chrysene-d12	21.939	240	198236	20.000	ng	0.00
86) Perylene-d12	25.422	264	202532	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.755	112	176856	104.444	ng	0.00
7) Phenol-d6	7.376	99	261278	100.004	ng	0.00
23) Nitrobenzene-d5	9.397	82	178866	59.904	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	137137	100.401	ng	0.00
45) 2-Fluorobiphenyl	13.497	172	413201	60.390	ng	0.00
79) Terphenyl-d14	20.218	244	676798	60.288	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.400	94	5554	2.140	ng	78
71) Phenanthrene	17.662	178	39498	3.413	ng	96
75) Fluoranthene	19.671	202	77126	5.235	ng	99
78) Pyrene	20.030	202	90150	6.796	ng	97
81) Benzo(a)anthracene	21.921	228	38019	2.898	ng	95
83) Chrysene	21.986	228	42268m	3.400	ng	
84) Bis(2-ethylhexyl)phtha...	21.798	149	42307	6.622	ng	97
88) Benzo(b)fluoranthene	24.306	252	52113	4.129	ng	# 94
90) Benzo(a)pyrene	25.246	252	38296	3.592	ng	# 98
92) Benzo(g,h,i)perylene	30.662	276	27103	2.256	ng	# 88

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

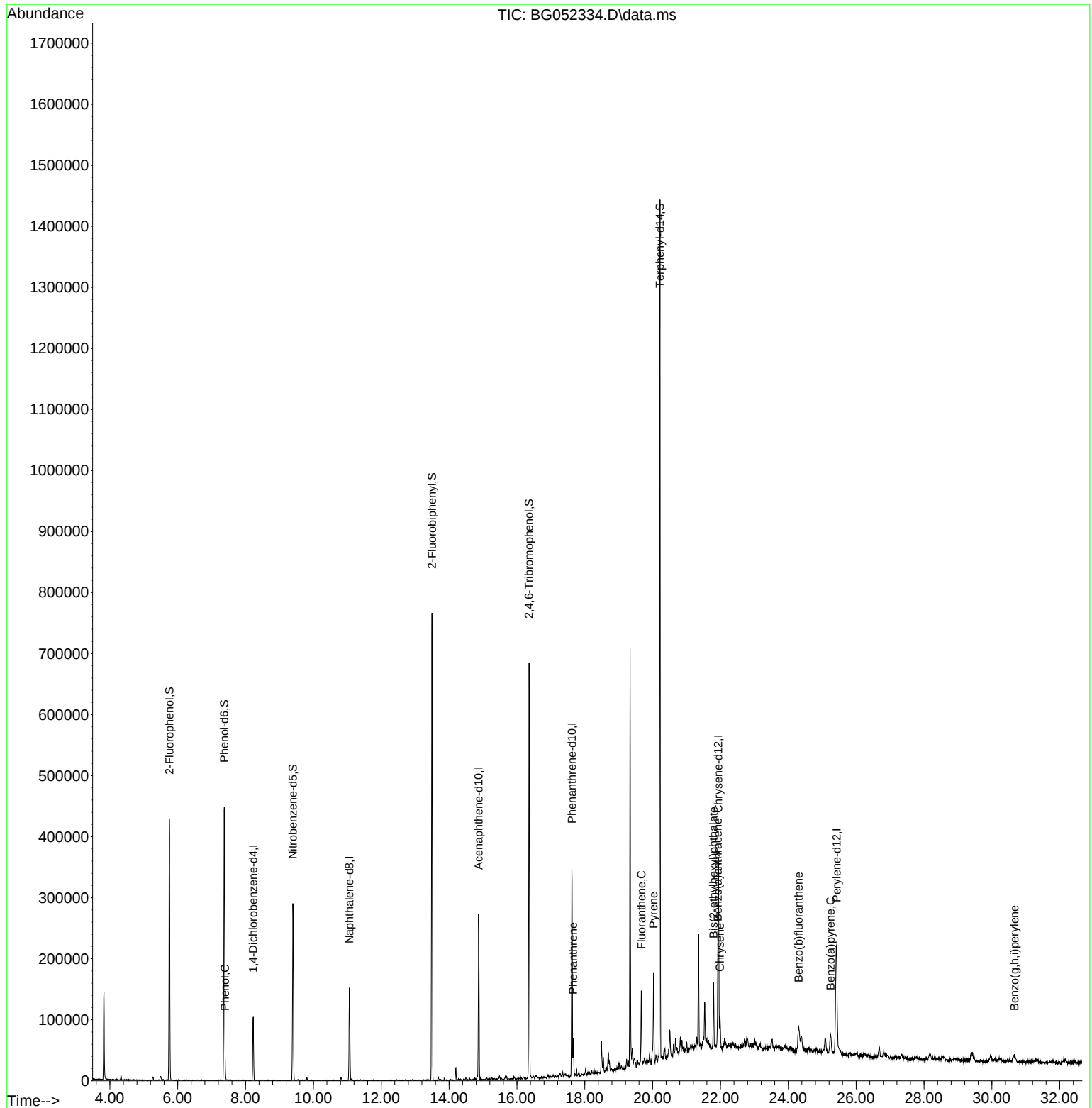
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020922\
Data File : BG052334.D
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Operator : CG/JU
Sample : N1362-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

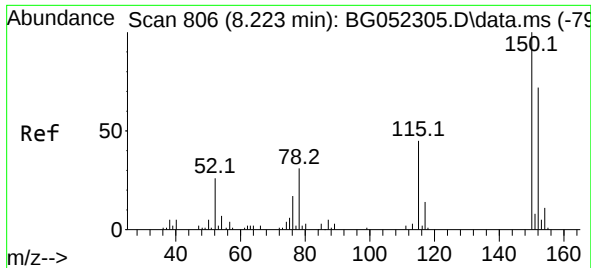
Instrument :
BNA_G
ClientSampleId :
RO-342

Quant Time: Feb 09 15:34:26 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

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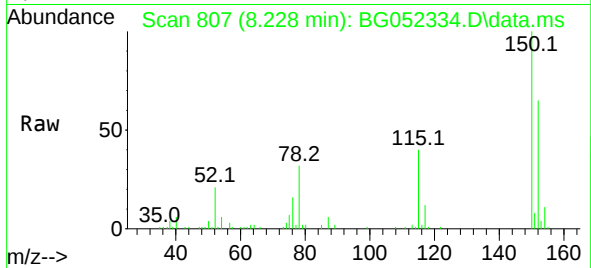
Reviewed By : Christian Giraldo 02/10/2022
Supervised By : Jagrut Upadhyay 02/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.228 min Scan# 806
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

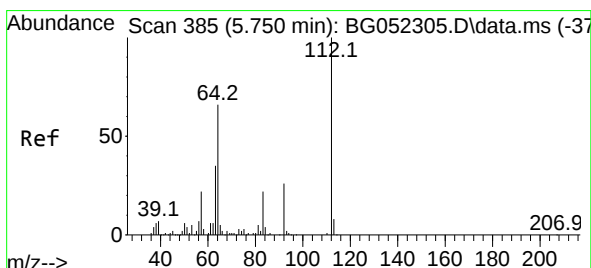
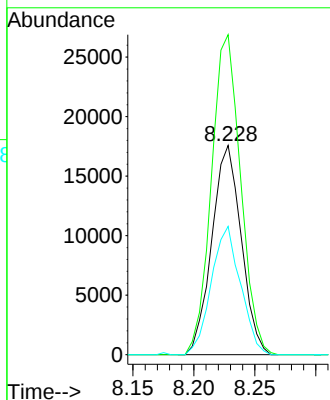
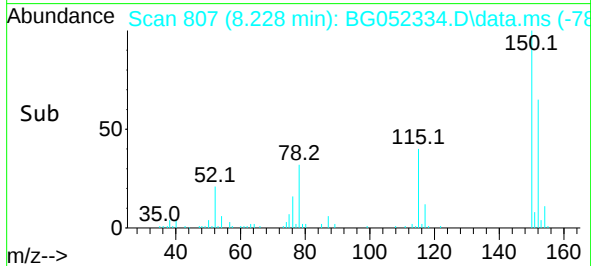
Instrument :
BNA_G
ClientSampleId :
RO-342



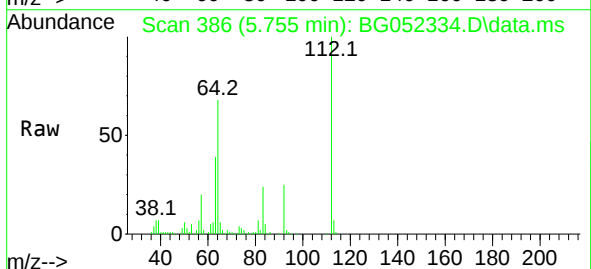
Tgt Ion:152 Resp: 2951
Ion Ratio Lower Upper
152 100
150 152.9 117.8 176.8
115 61.3 50.2 75.2

Manual Integrations
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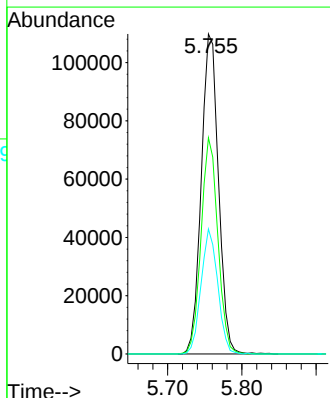
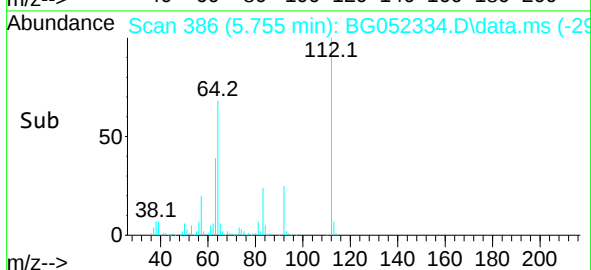
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

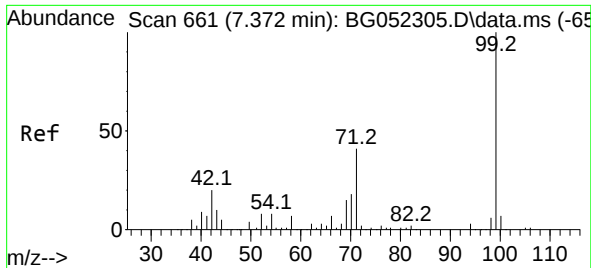


#5
2-Fluorophenol
Concen: 104.444 ng
RT: 5.755 min Scan# 386
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32



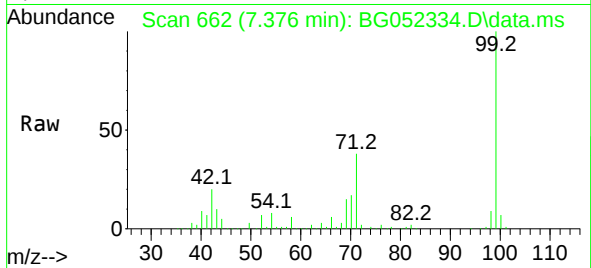
Tgt Ion:112 Resp: 176856
Ion Ratio Lower Upper
112 100
64 67.5 60.4 90.6
63 39.0 33.3 49.9





#7
Phenol-d6
Concen: 100.004 ng
RT: 7.376 min Scan# 661
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

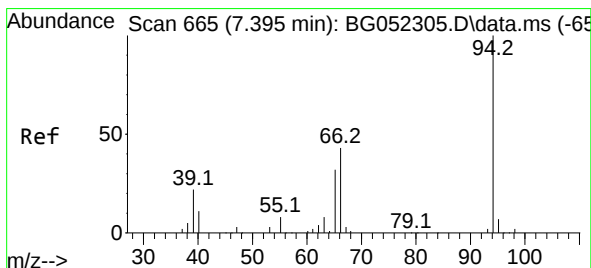
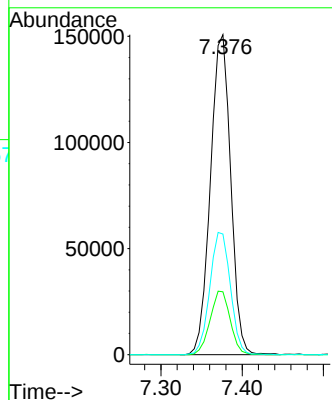
Instrument :
BNA_G
ClientSampleId :
RO-342



Tgt Ion: 99 Resp: 261278
Ion Ratio Lower Upper
99 100
42 19.6 19.1 28.7
71 37.7 33.4 50.2

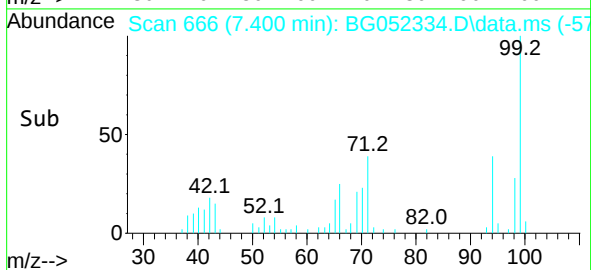
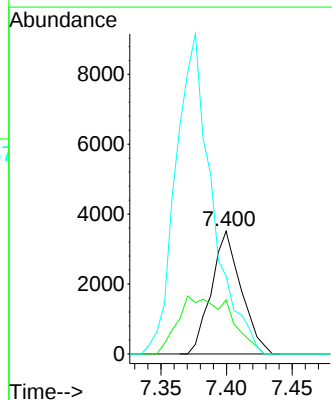
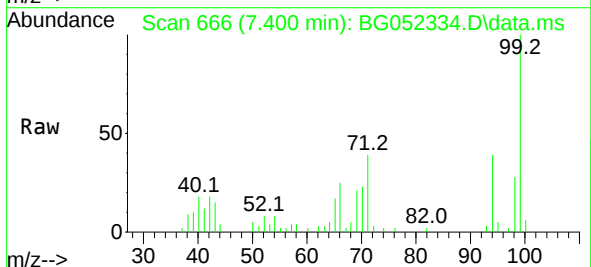
Manual Integrations
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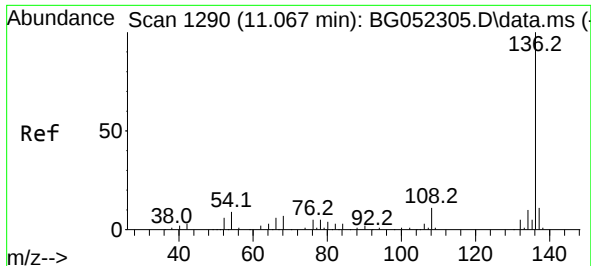
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#10
Phenol
Concen: 2.140 ng
RT: 7.400 min Scan# 666
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

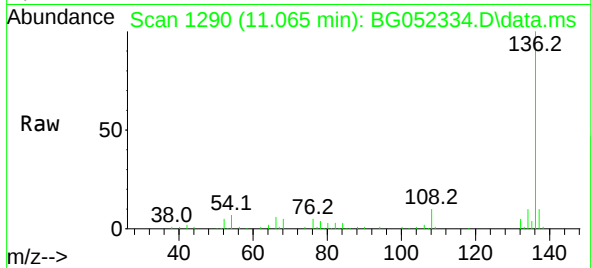
Tgt Ion: 94 Resp: 5554
Ion Ratio Lower Upper
94 100
65 44.0 14.1 54.1
66 63.6 26.6 66.6





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.065 min Scan# 1290
Delta R.T. -0.002 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

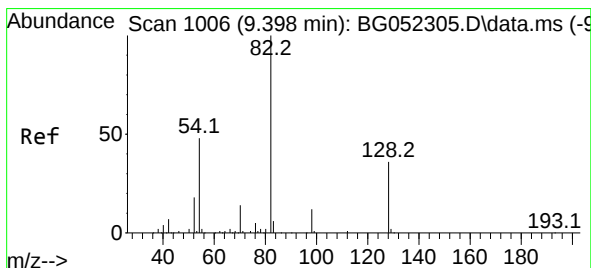
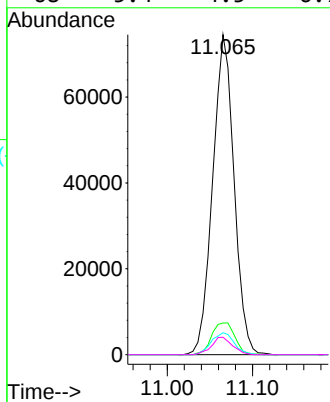
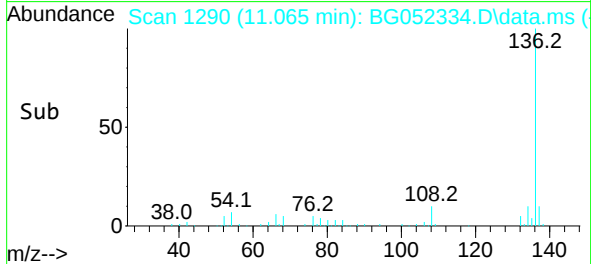
Instrument :
BNA_G
ClientSampleId :
RO-342



Tgt Ion:136 Resp: 129770
Ion Ratio Lower Upper
136 100
137 9.9 9.1 13.7
54 6.8 8.3 12.5
68 5.4 4.5 6.7

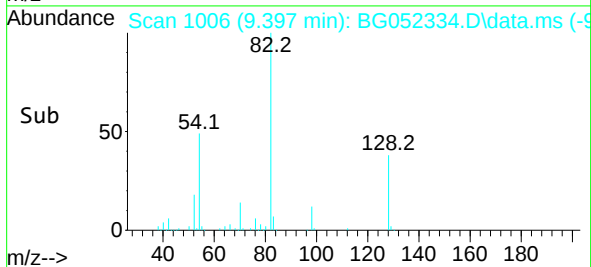
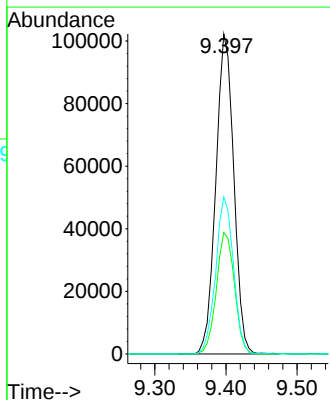
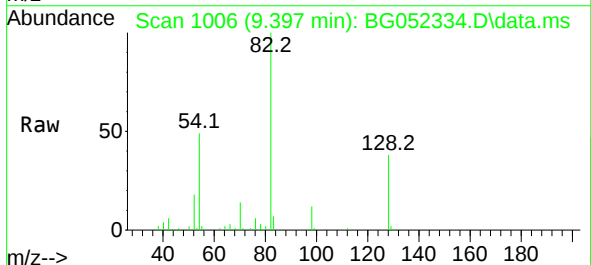
Manual Integrations
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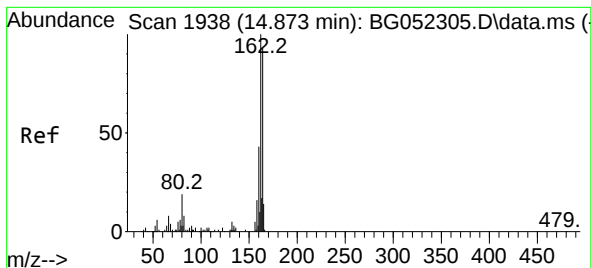
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#23
Nitrobenzene-d5
Concen: 59.904 ng
RT: 9.397 min Scan# 1006
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion: 82 Resp: 178866
Ion Ratio Lower Upper
82 100
128 37.9 27.0 40.4
54 49.0 41.0 61.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.872 min Scan# 1938

Delta R.T. -0.001 min

Lab File: BG052334.D

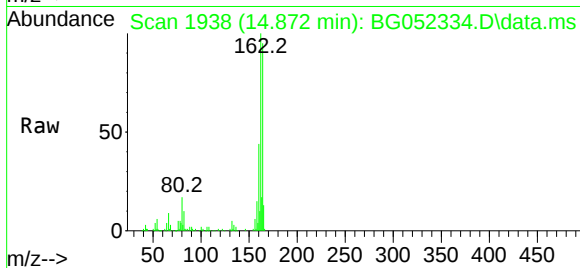
Acq: 9 Feb 2022 14:32

Instrument :

BNA_G

ClientSampleId :

RO-342



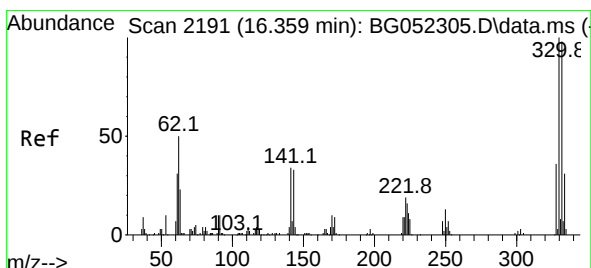
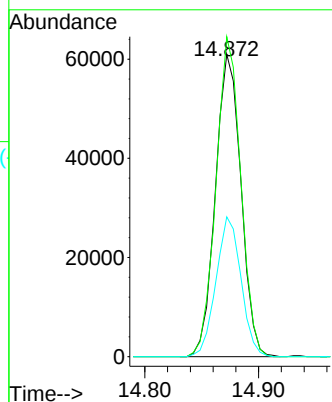
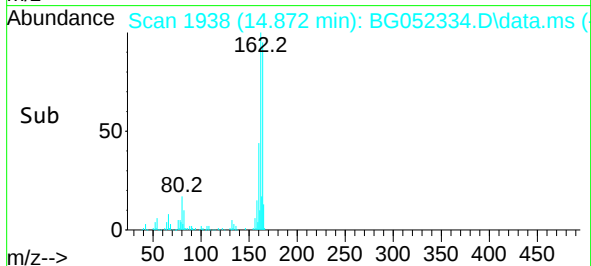
Tgt Ion:	164	Resp:	95074
Ion Ratio	Lower	Upper	
164	100		
162	105.8	82.2	123.2
160	46.2	36.2	54.2

Manual Integrations

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Reviewed By :Christian Giraldo 02/10/2022

Supervised By :Jagrut Upadhyay 02/11/2022



#42

2,4,6-Tribromophenol

Concen: 100.401 ng

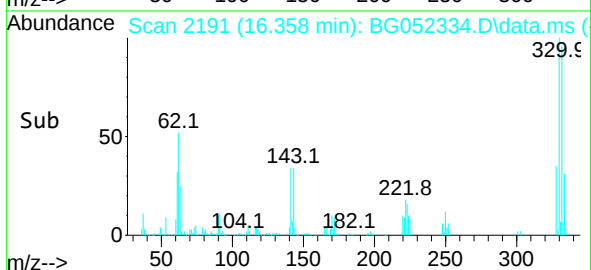
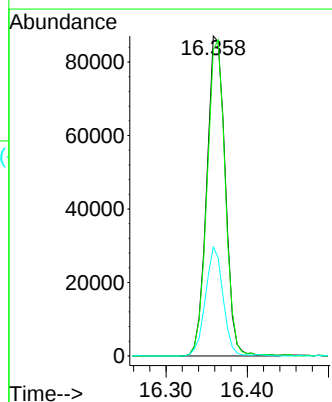
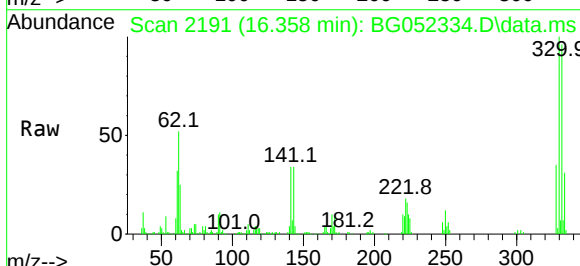
RT: 16.358 min Scan# 2191

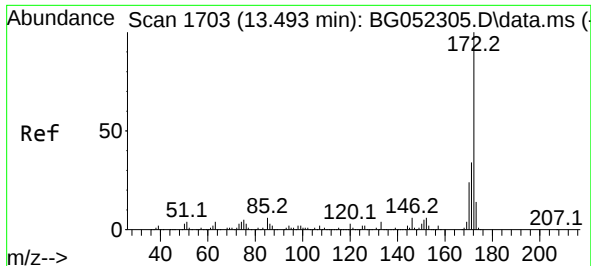
Delta R.T. -0.001 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

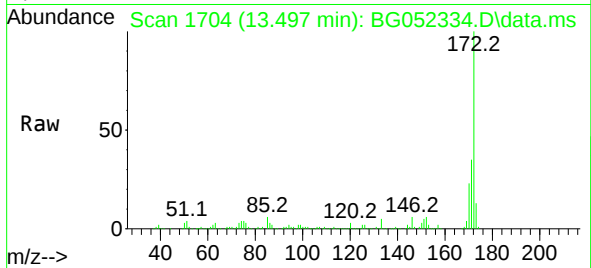
Tgt Ion:	330	Resp:	137137
Ion Ratio	Lower	Upper	
330	100		
332	97.2	78.6	117.8
141	32.4	28.8	43.2





#45
2-Fluorobiphenyl
Concen: 60.390 ng
RT: 13.497 min Scan# 1704
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

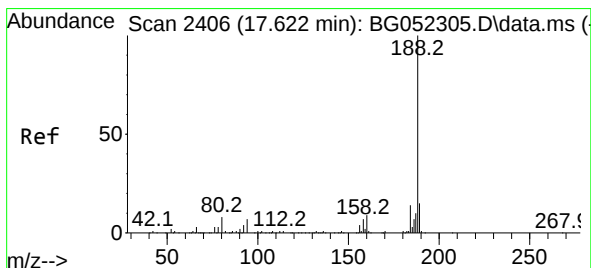
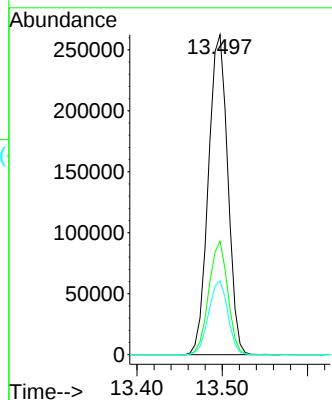
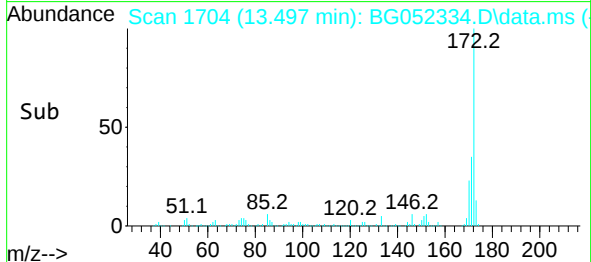
Instrument :
BNA_G
ClientSampleId :
RO-342



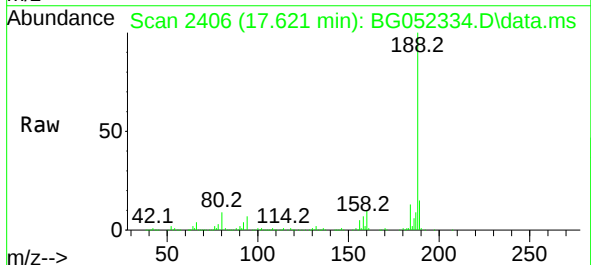
Tgt Ion:172 Resp: 41320
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.1 18.3 27.5

Manual Integrations
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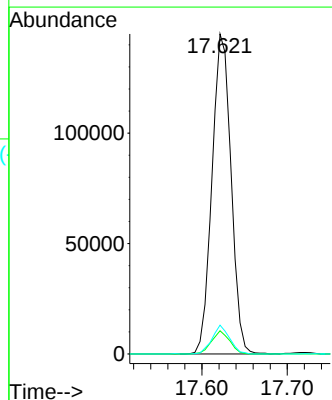
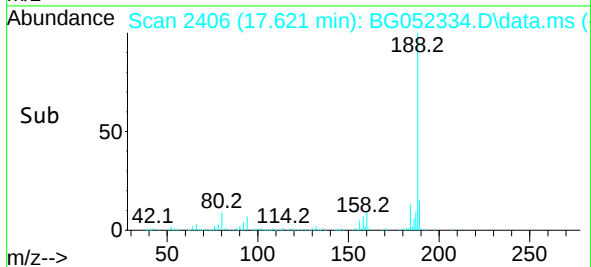
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

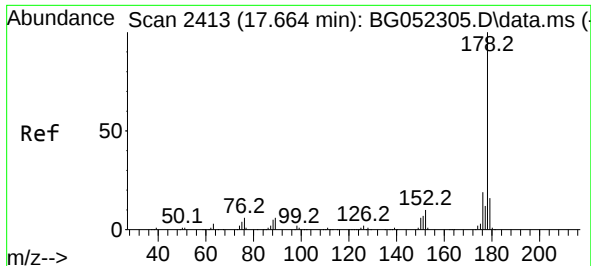


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.621 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32



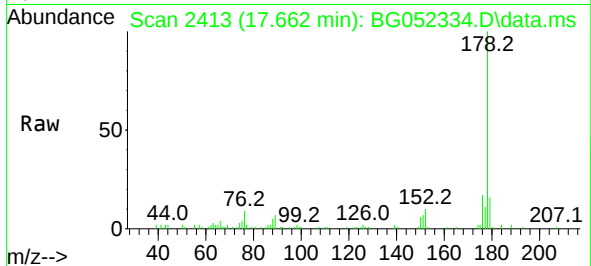
Tgt Ion:188 Resp: 224465
Ion Ratio Lower Upper
188 100
94 7.2 5.9 8.9
80 9.0 6.6 10.0





#71
Phenanthrene
Concen: 3.413 ng
RT: 17.662 min Scan# 2413
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

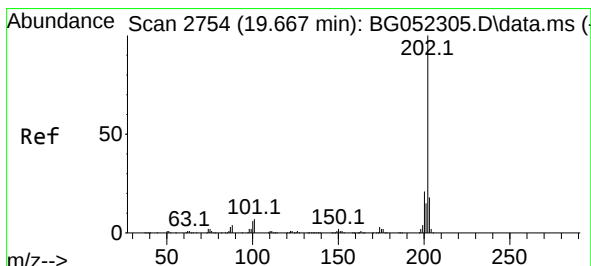
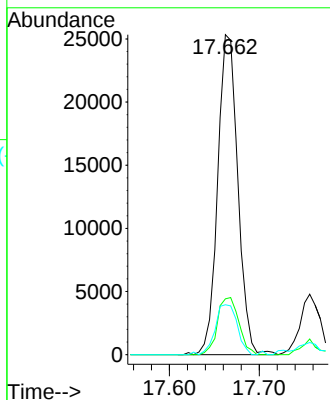
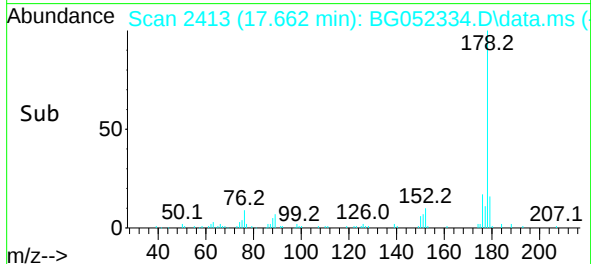
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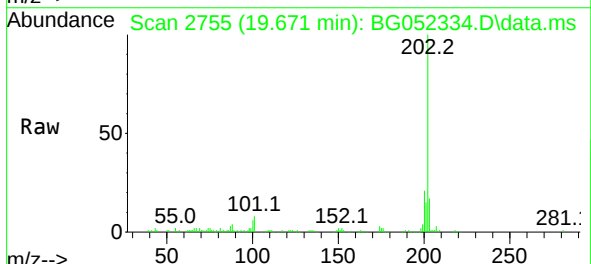
Tgt Ion:178 Resp: 39498
Ion Ratio Lower Upper
178 100
176 17.5 16.6 25.0
179 15.6 12.6 18.8

Manual Integrations
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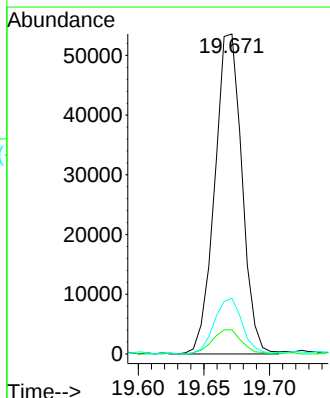
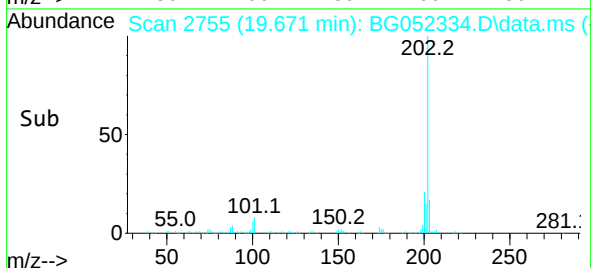
Reviewed By :Christian Giraldo 02/10/2022
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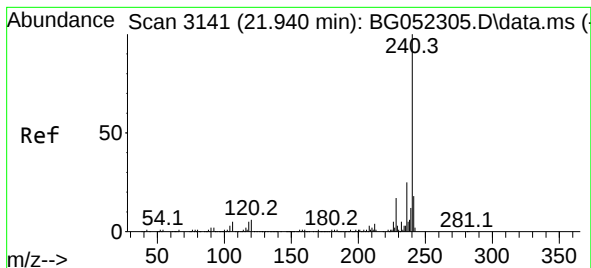


#75
Fluoranthene
Concen: 5.235 ng
RT: 19.671 min Scan# 2755
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32



Tgt Ion:202 Resp: 77126
Ion Ratio Lower Upper
202 100
101 7.6 0.0 27.1
203 17.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.939 min Scan# 3141

Delta R.T. -0.001 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

Instrument :

BNA_G

ClientSampleId :

RO-342

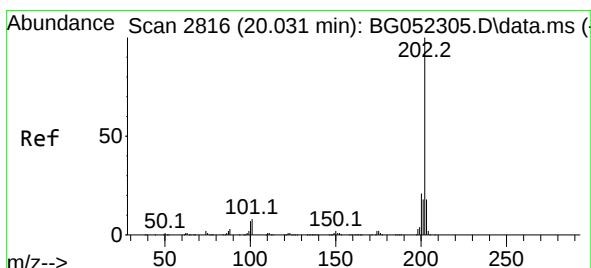
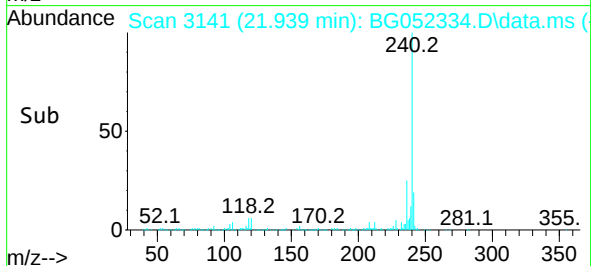
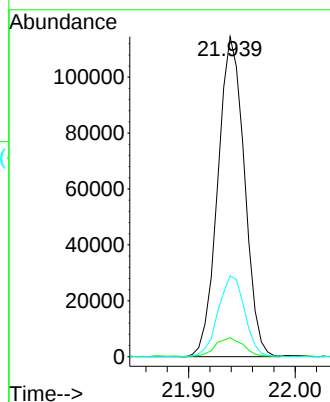
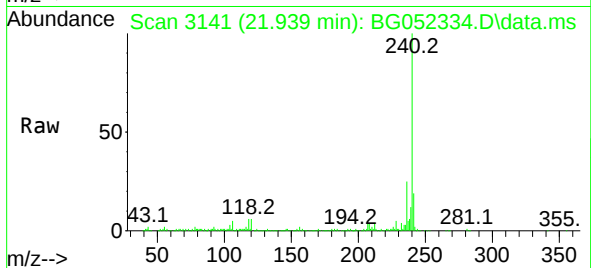
Tgt Ion:240 Resp: 198230
 Ion Ratio Lower Upper
 240 100
 120 5.9 4.4 6.6
 236 25.3 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 02/10/2022

Supervised By :Jagrut Upadhyay 02/11/2022



#78

Pyrene

Concen: 6.796 ng

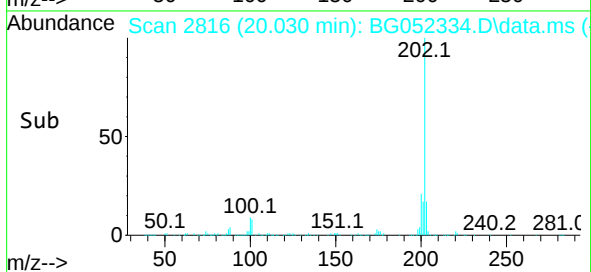
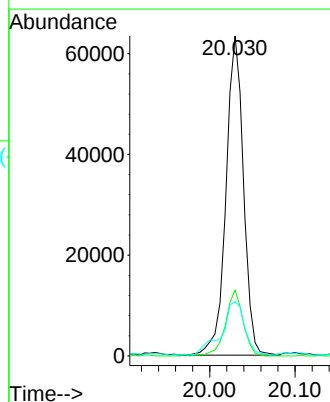
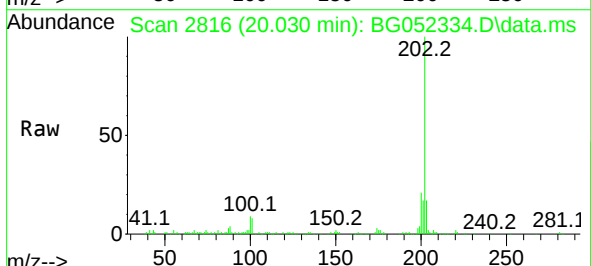
RT: 20.030 min Scan# 2816

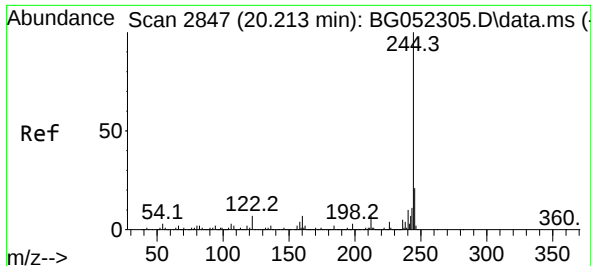
Delta R.T. -0.001 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

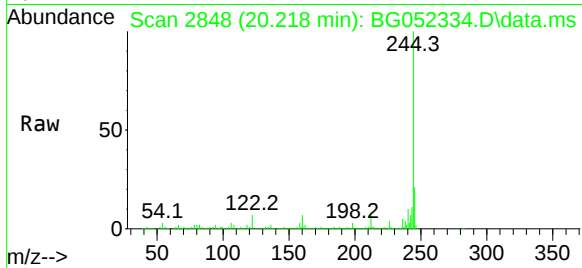
Tgt Ion:202 Resp: 90150
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.4 26.2
 203 17.0 14.5 21.7





#79
 Terphenyl-d14
 Concen: 60.288 ng
 RT: 20.218 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG052334.D
 Acq: 9 Feb 2022 14:32

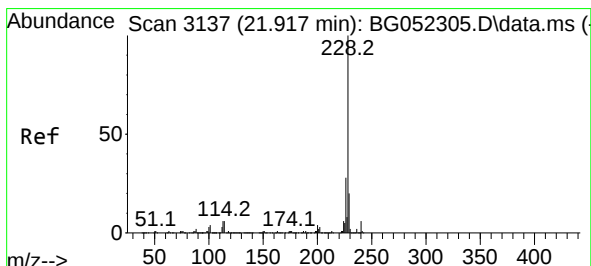
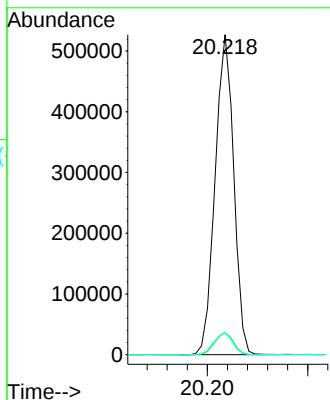
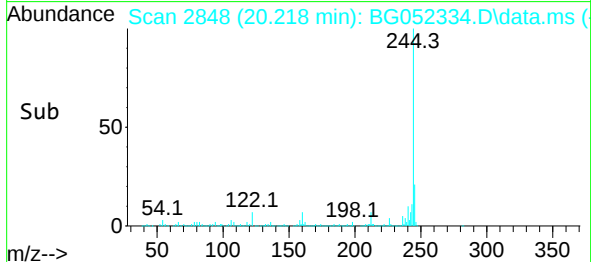
Instrument :
 BNA_G
 ClientSampleId :
 RO-342



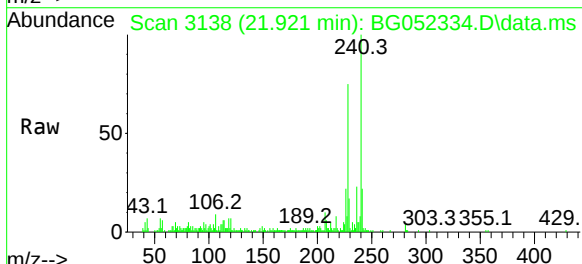
Tgt Ion:244 Resp: 676798
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 7.0 6.2 9.4

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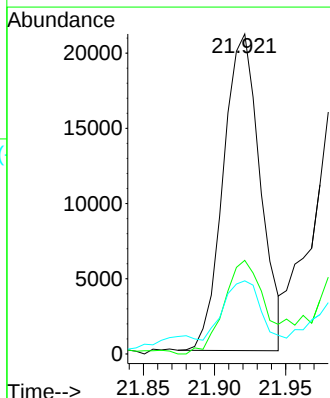
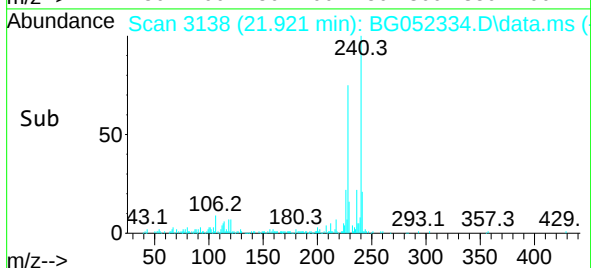
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :Jagrut Upadhyay 02/11/2022

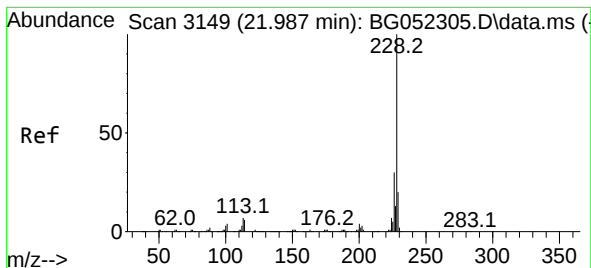


#81
 Benzo(a)anthracene
 Concen: 2.898 ng
 RT: 21.921 min Scan# 3138
 Delta R.T. 0.005 min
 Lab File: BG052334.D
 Acq: 9 Feb 2022 14:32



Tgt Ion:228 Resp: 38019
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.6 32.4
 229 22.9 16.0 24.0





#83

Chrysene

Concen: 3.400 ng m

RT: 21.986 min Scan# 3149

Delta R.T. -0.001 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

Instrument :

BNA_G

ClientSampleId :

RO-342

Tgt Ion:228 Resp: 42268

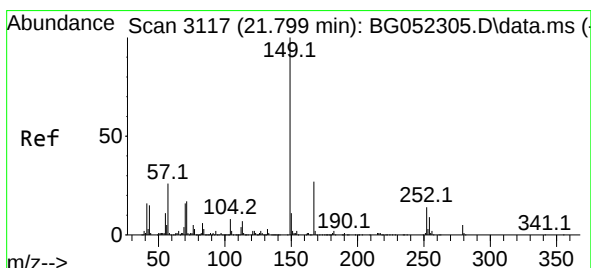
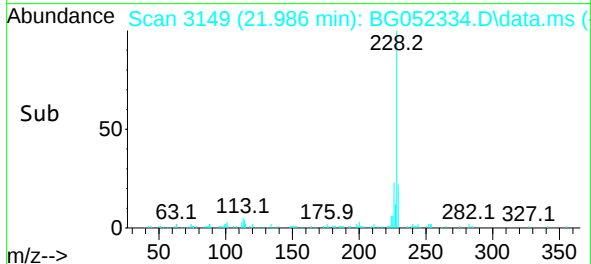
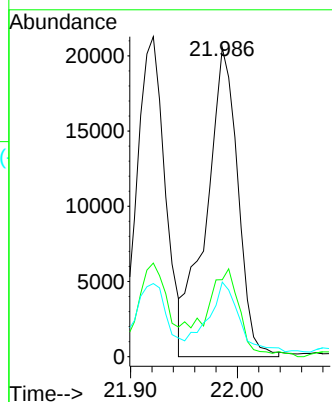
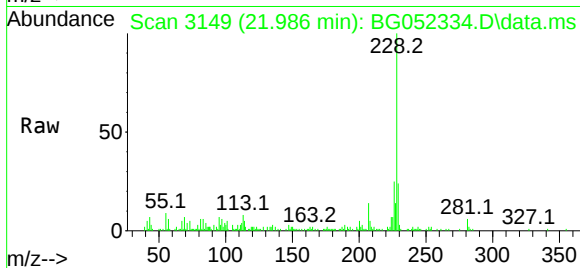
Ion	Ratio	Lower	Upper
228	100		
226	24.9	24.1	36.1
229	24.1	16.4	24.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/10/2022

Supervised By :Jagrut Upadhyay 02/11/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.622 ng

RT: 21.798 min Scan# 3117

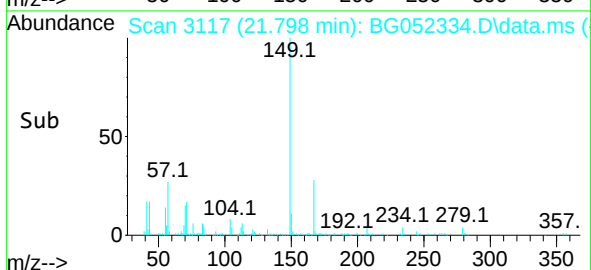
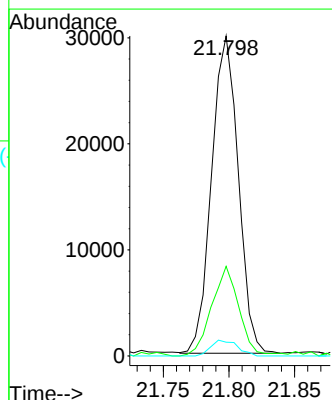
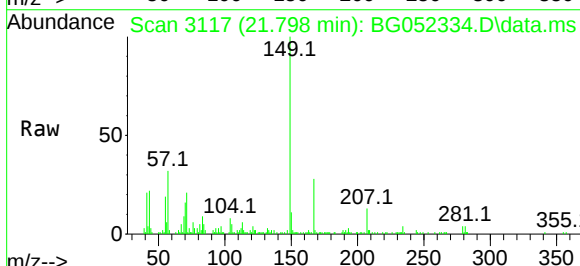
Delta R.T. -0.001 min

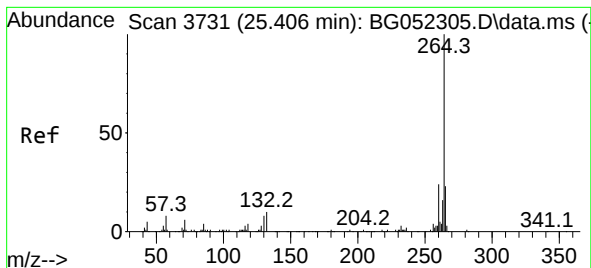
Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

Tgt Ion:149 Resp: 42307

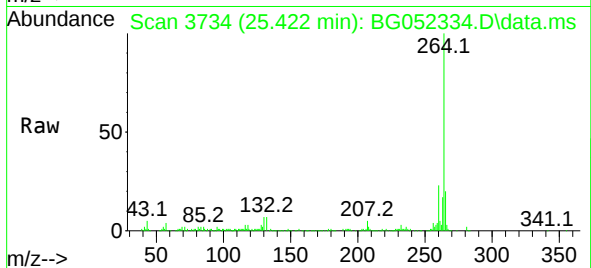
Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.4	32.0
279	4.3	4.2	6.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.422 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: BG052334.D
 Acq: 9 Feb 2022 14:32

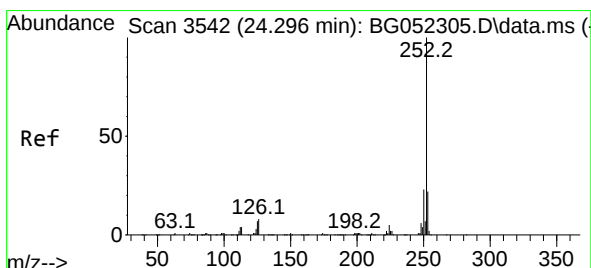
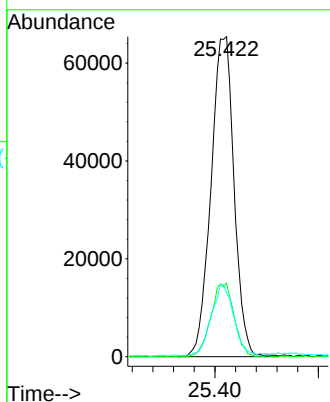
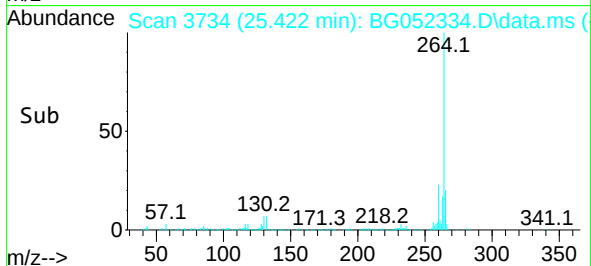
Instrument :
 BNA_G
 ClientSampleId :
 RO-342



Tgt Ion:264 Resp: 20253
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 20.0 17.8 26.6

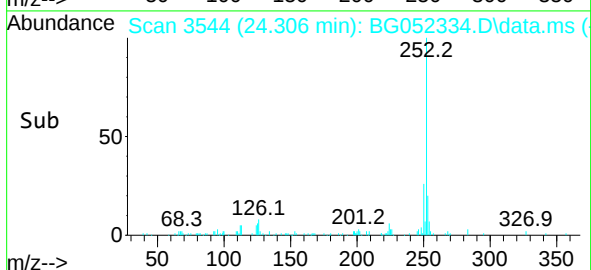
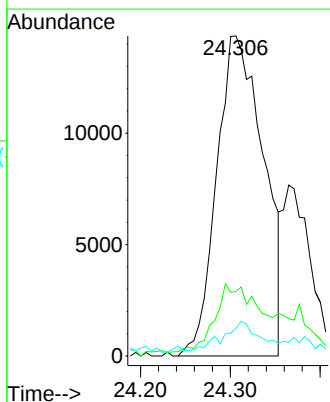
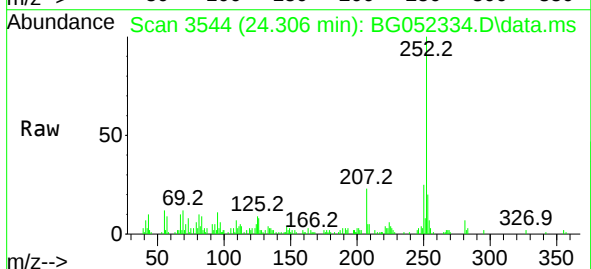
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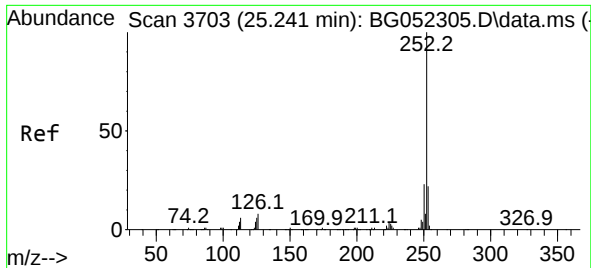
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :Jagrut Upadhyay 02/11/2022



#88
 Benzo(b)fluoranthene
 Concen: 4.129 ng
 RT: 24.306 min Scan# 3544
 Delta R.T. 0.011 min
 Lab File: BG052334.D
 Acq: 9 Feb 2022 14:32

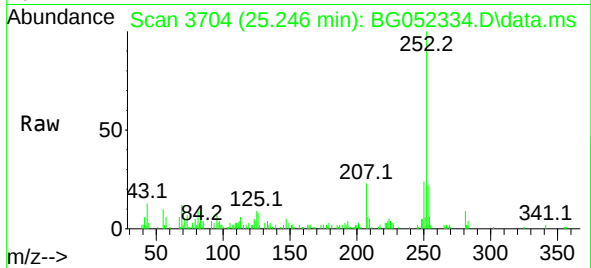
Tgt Ion:252 Resp: 52113
 Ion Ratio Lower Upper
 252 100
 253 20.1 18.3 27.5
 125 8.6 5.4 8.2#





#90
Benzo(a)pyrene
Concen: 3.592 ng
RT: 25.246 min Scan# 3703
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

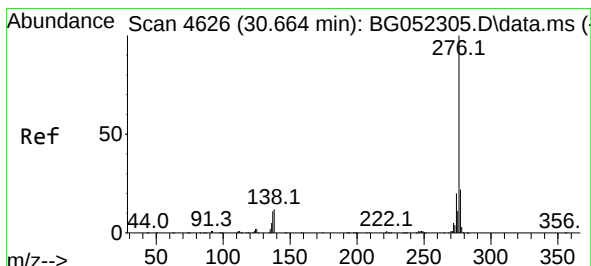
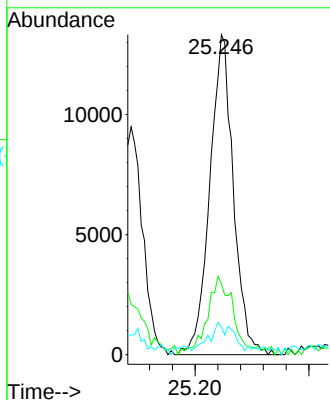
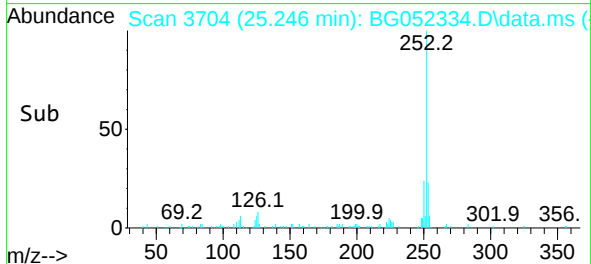
Instrument :
BNA_G
ClientSampleId :
RO-342



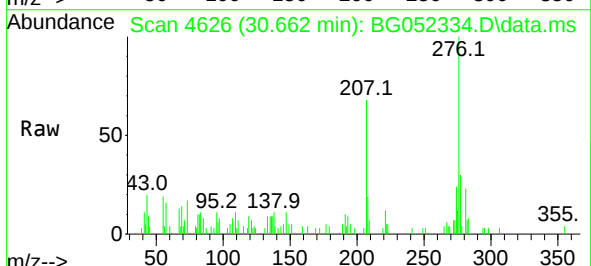
Tgt Ion:252 Resp: 38290
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 8.8 5.0 7.6

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Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#92
Benzo(g,h,i)perylene
Concen: 2.256 ng
RT: 30.662 min Scan# 4626
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32



Tgt Ion:276 Resp: 27103
Ion Ratio Lower Upper
276 100
277 29.6 18.2 27.2#
138 14.7 9.1 13.7#

