

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054572.D
 Acq On : 9 Aug 2022 16:27
 Operator : CG/JU
 Sample : N4063-06DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5FDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 09 17:54:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	24485	20.000	ng	0.00
21) Naphthalene-d8	10.784	136	94469	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	68117	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	161566	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	182976	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	189055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	22968	19.585	ng	0.00
7) Phenol-d6	7.182	99	31229	19.434	ng	0.00
23) Nitrobenzene-d5	9.145	82	21038	12.127	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	24320	17.005	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	63526	13.156	ng	0.00
79) Terphenyl-d14	19.967	244	123774	13.419	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.339	152	47328	8.167	ng	97
78) Pyrene	19.785	202	409430	38.997	ng	98
81) Benzo(a)anthracene	21.612	228	43832	3.774	ng	# 72
83) Chrysene	21.648	228	87824	8.003	ng	# 61
87) Indeno(1,2,3-cd)pyrene	28.516	276	107586	7.480	ng	# 96
88) Benzo(b)fluoranthene	23.822	252	195365m	17.474	ng	
89) Benzo(k)fluoranthene	23.880	252	63520m	5.709	ng	
90) Benzo(a)pyrene	24.691	252	216649m	22.690	ng	
92) Benzo(g,h,i)perylene	29.680	276	113853	9.754	ng	# 92

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

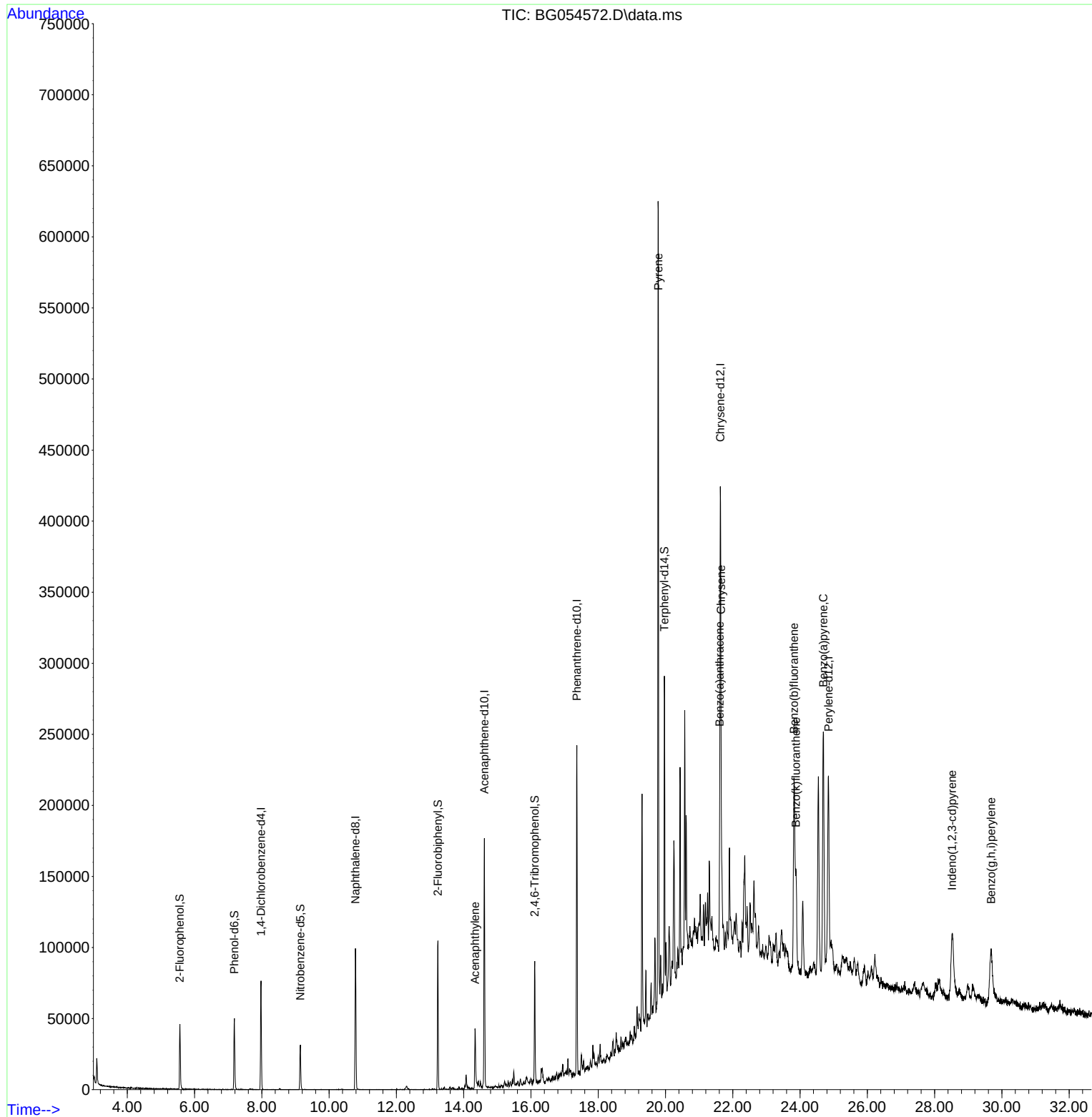
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
Data File : BG054572.D
Acq On : 9 Aug 2022 16:27
Operator : CG/JU
Sample : N4063-06DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

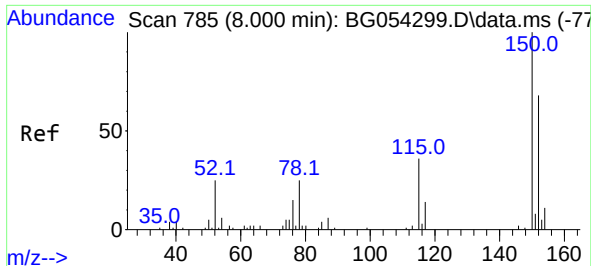
Instrument :
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ClientSampleId :
P-5FDL

Quant Time: Aug 09 17:54:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
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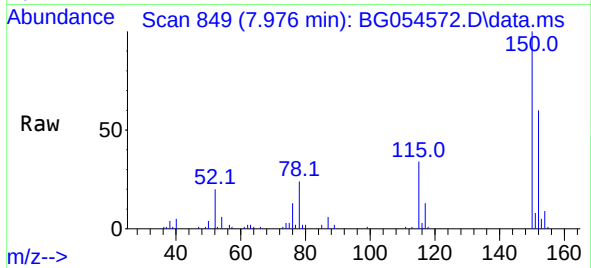
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

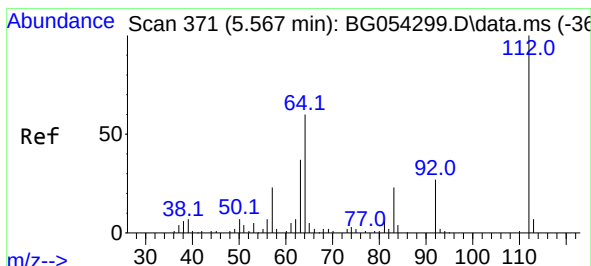
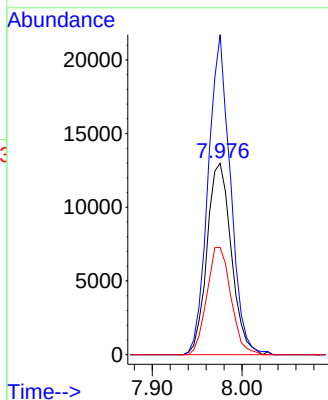
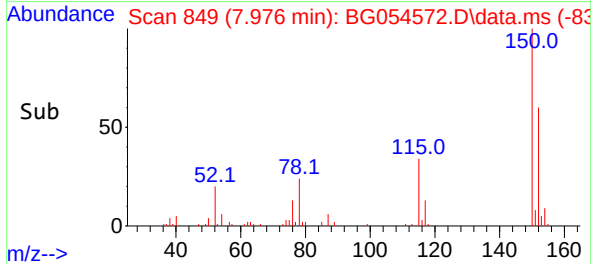
Instrument :
BNA_G
ClientSampleId :
P-5FDL



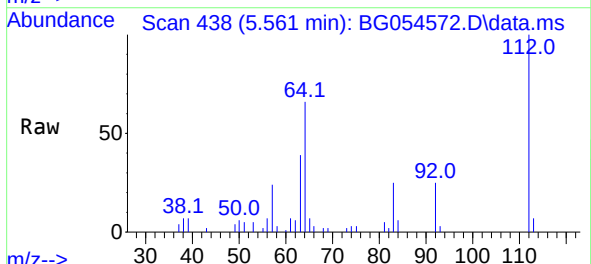
Tgt Ion:152 Resp: 2448
Ion Ratio Lower Upper
152 100
150 167.2 131.6 197.4
115 56.0 50.9 76.3

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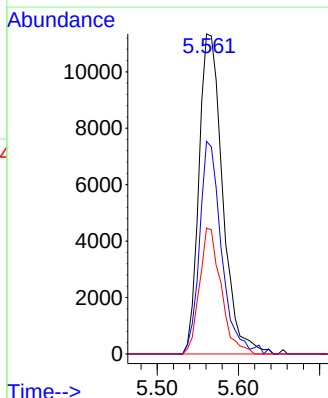
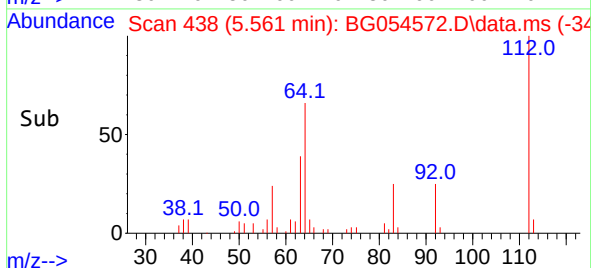
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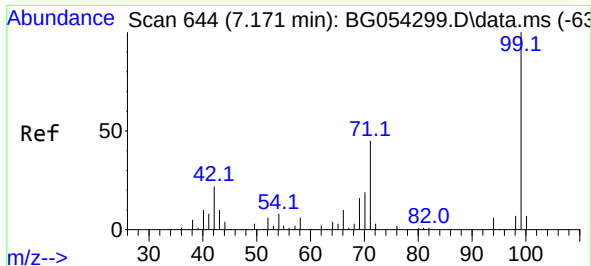


#5
2-Fluorophenol
Concen: 19.585 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27



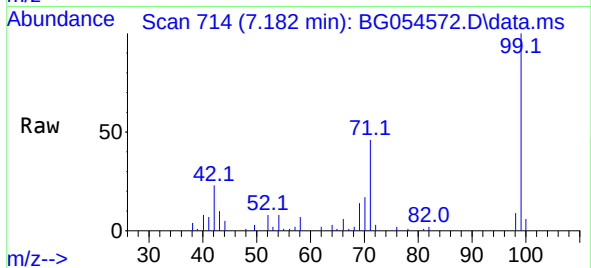
Tgt Ion:112 Resp: 22968
Ion Ratio Lower Upper
112 100
64 66.4 55.1 82.7
63 39.4 30.4 45.6





#7
Phenol-d6
Concen: 19.434 ng
RT: 7.182 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

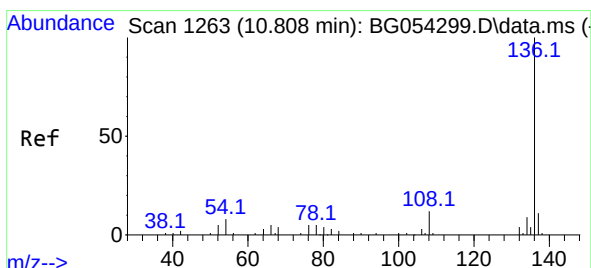
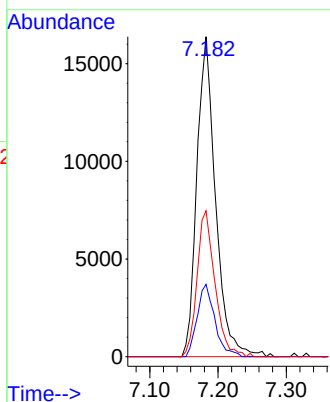
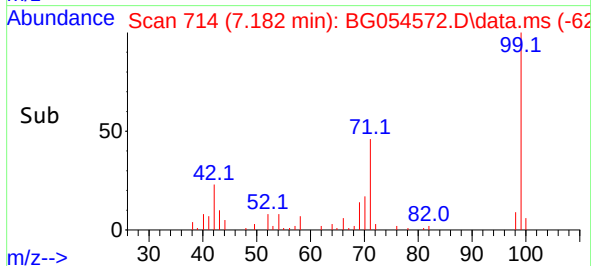
Instrument :
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ClientSampleId :
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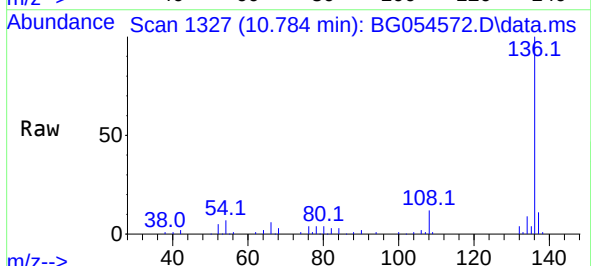
Tgt Ion: 99 Resp: 31229
Ion Ratio Lower Upper
99 100
42 22.6 17.0 25.6
71 45.6 33.8 50.8

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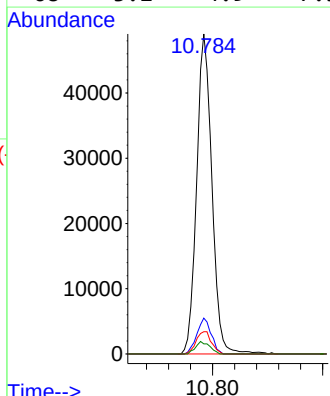
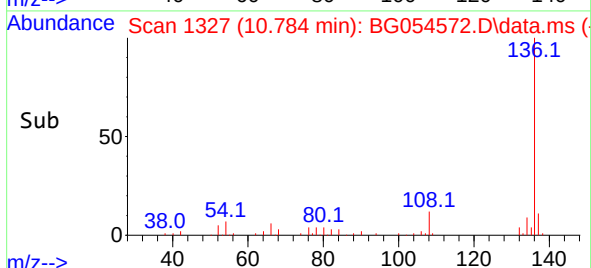
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

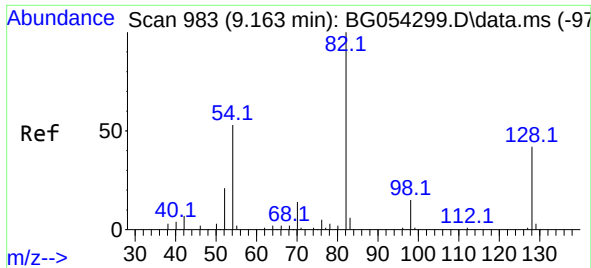


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 1327
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27



Tgt Ion:136 Resp: 94469
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.0 7.4 11.2#
68 3.2 4.9 7.3#





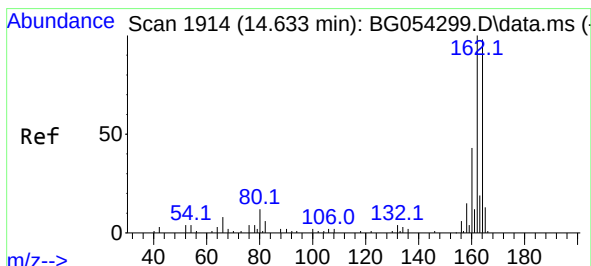
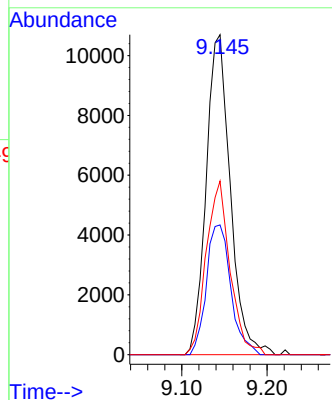
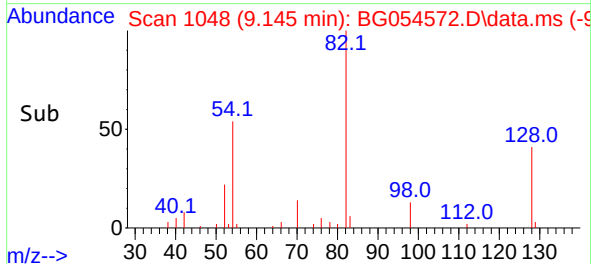
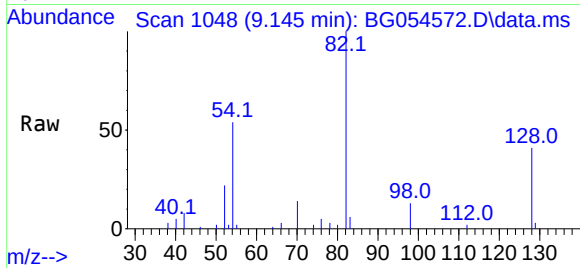
#23
Nitrobenzene-d5
Concen: 12.127 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

Instrument :
BNA_G
ClientSampleId :
P-5FDL

Tgt Ion: 82 Resp: 21038
Ion Ratio Lower Upper
82 100
128 40.5 27.9 41.9
54 54.2 41.2 61.8

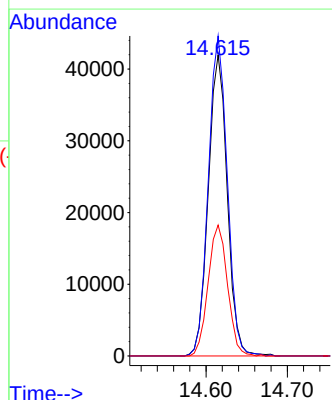
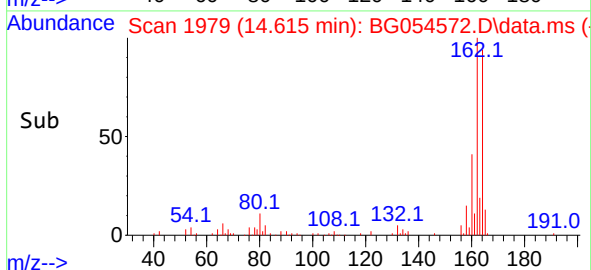
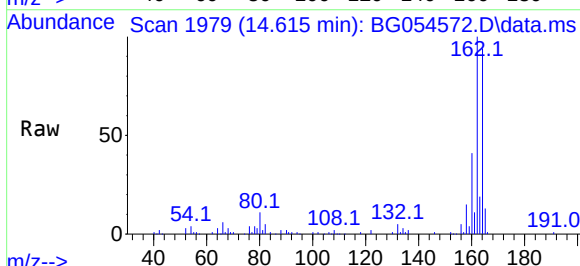
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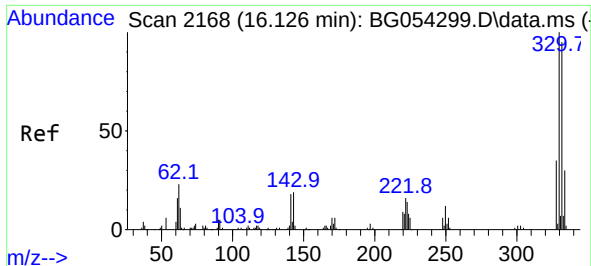
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

Tgt Ion:164 Resp: 68117
Ion Ratio Lower Upper
164 100
162 106.3 82.3 123.5
160 43.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 17.005 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

Instrument :

BNA_G

ClientSampleId :

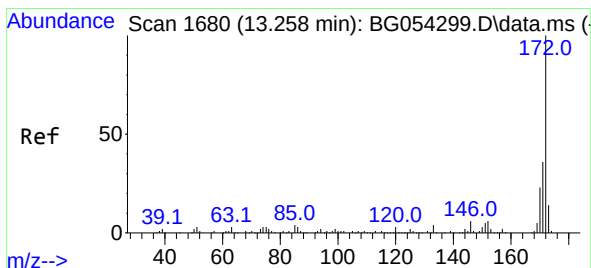
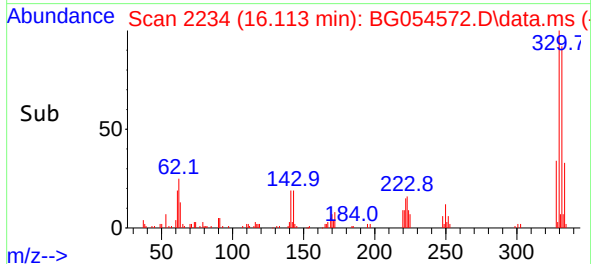
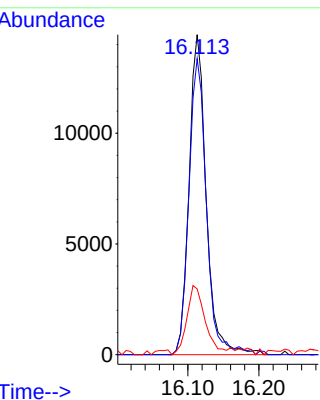
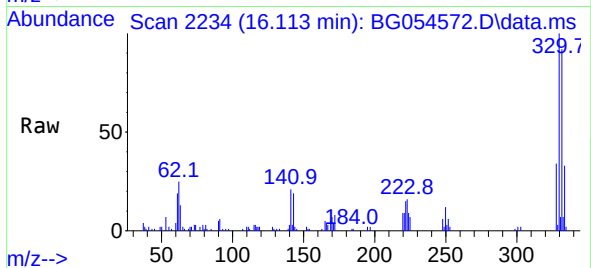
P-5FDL

Tgt Ion:330 Resp: 24320
Ion Ratio Lower Upper
330 100
332 94.5 76.0 114.0
141 23.0 27.1 40.7

Manual Integrations

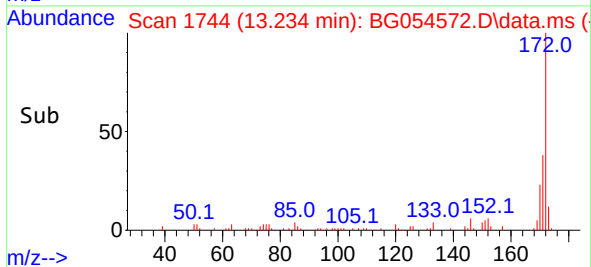
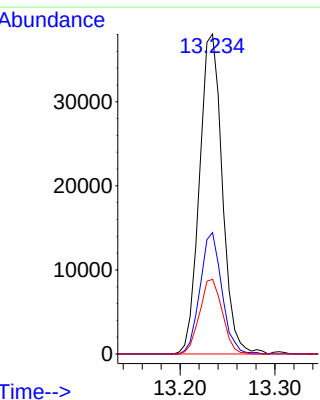
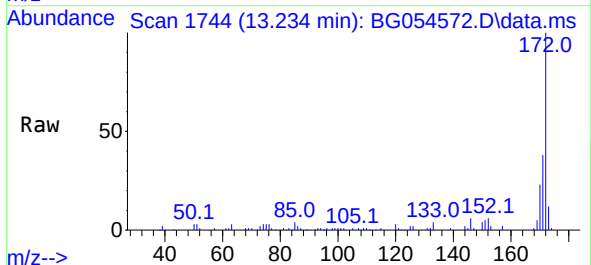
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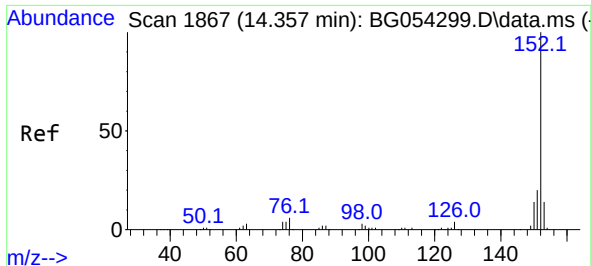
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#45
2-Fluorobiphenyl
Concen: 13.156 ng
RT: 13.234 min Scan# 1744
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

Tgt Ion:172 Resp: 63526
Ion Ratio Lower Upper
172 100
171 37.9 28.5 42.7
170 23.3 18.9 28.3





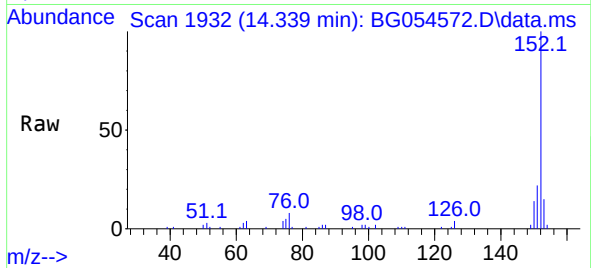
#49
Acenaphthylene
Concen: 8.167 ng
RT: 14.339 min Scan# 1932
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

Instrument :

BNA_G

ClientSampleId :

P-5FDL

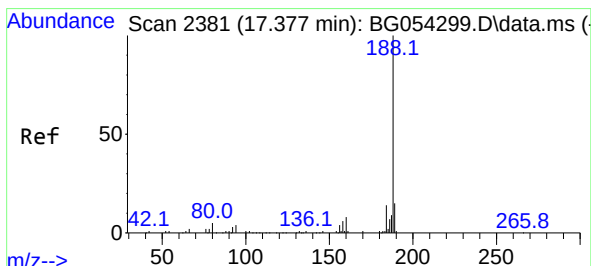
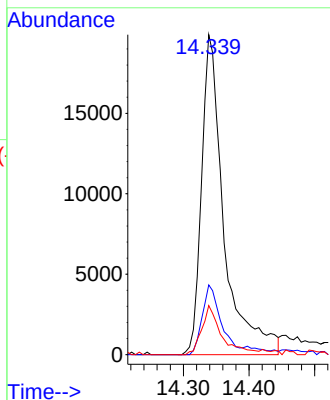
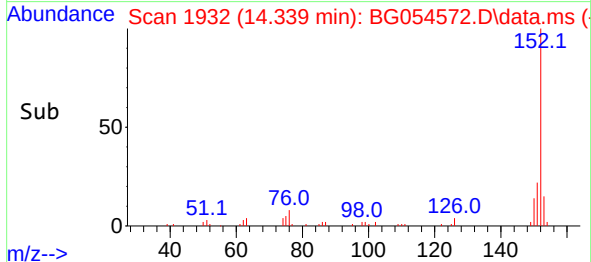


Tgt Ion:152 Resp: 47328
Ion Ratio Lower Upper
152 100
151 21.8 16.4 24.6
153 15.3 10.8 16.2

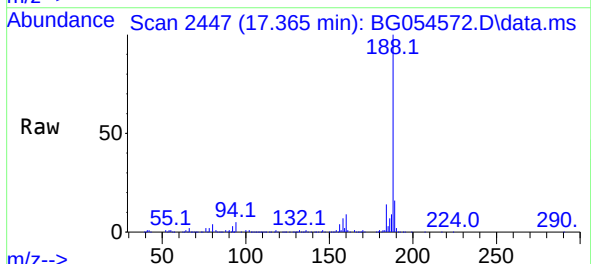
Manual Integrations

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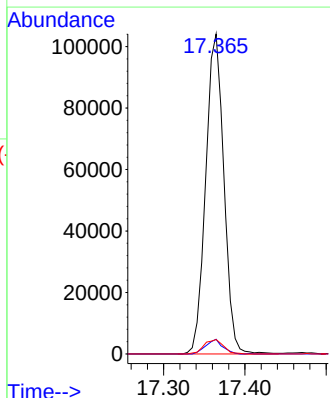
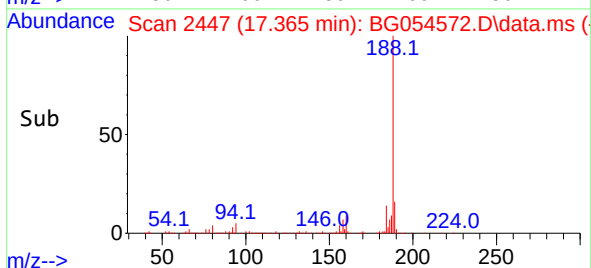
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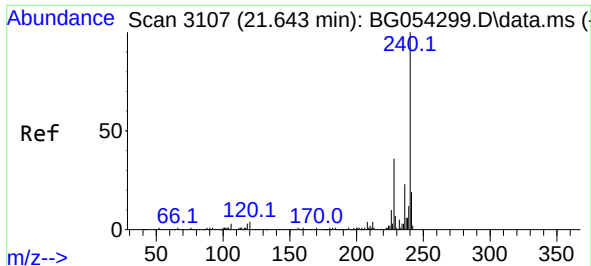


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27



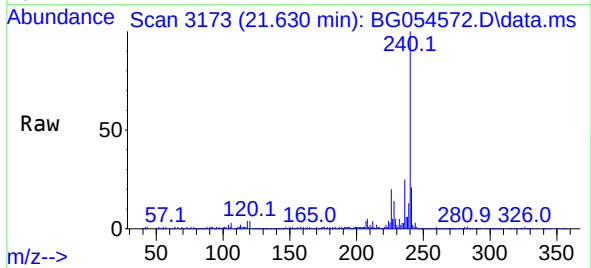
Tgt Ion:188 Resp: 161566
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 4.5 6.8 10.2#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3107
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

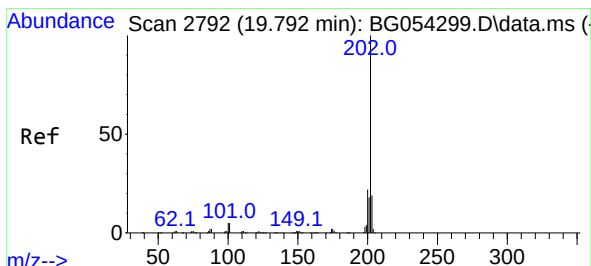
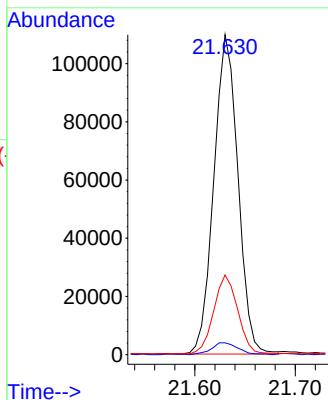
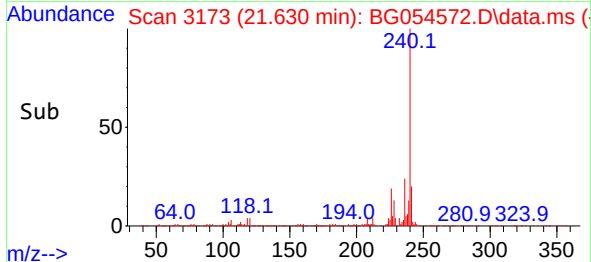
Instrument :
BNA_G
ClientSampleId :
P-5FDL



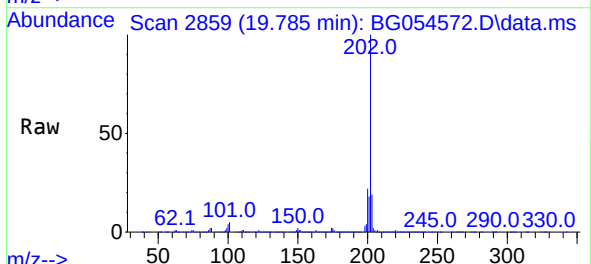
Tgt Ion:240 Resp: 182970
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0
236 24.9 20.2 30.4

Manual Integrations
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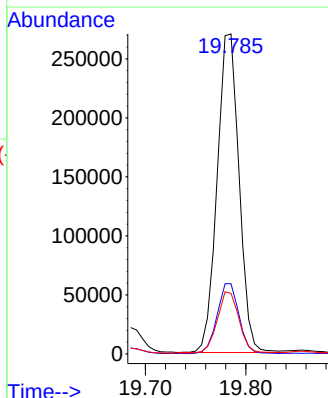
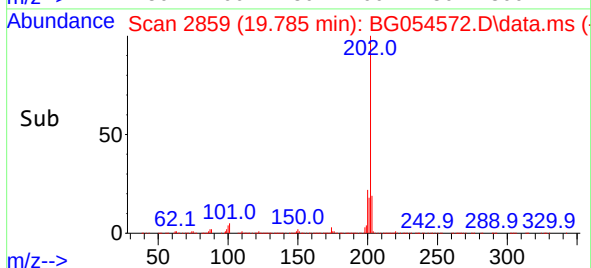
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

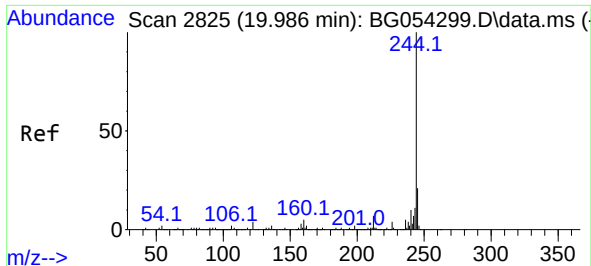


#78
Pyrene
Concen: 38.997 ng
RT: 19.785 min Scan# 2859
Delta R.T. 0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27



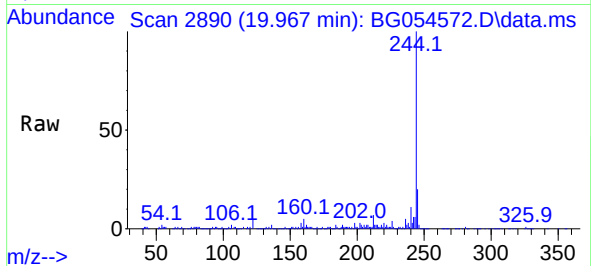
Tgt Ion:202 Resp: 409430
Ion Ratio Lower Upper
202 100
200 21.9 16.6 24.8
203 18.9 14.6 21.8





#79
Terphenyl-d14
Concen: 13.419 ng
RT: 19.967 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

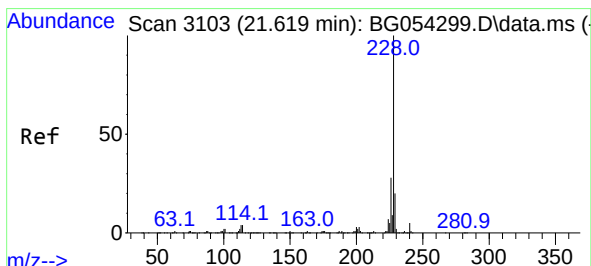
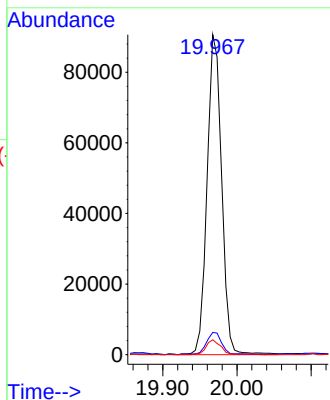
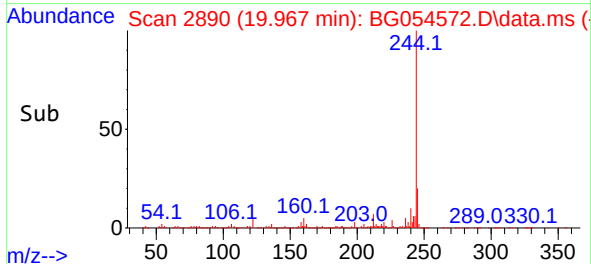
Instrument :
BNA_G
ClientSampleId :
P-5FDL



Tgt Ion:244 Resp: 123774
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.7 5.0 7.4

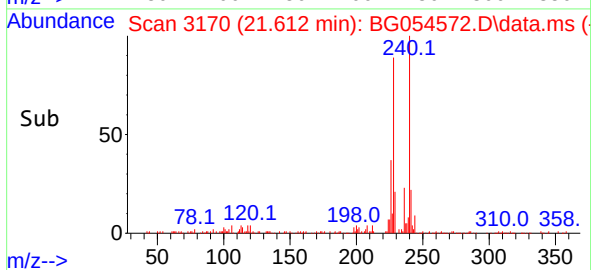
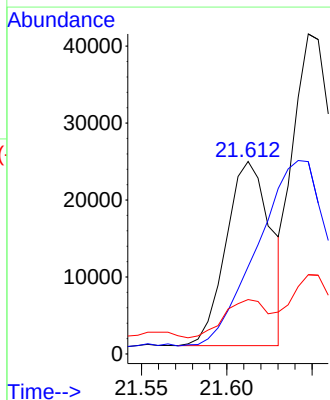
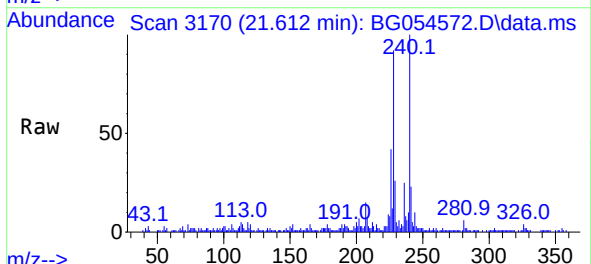
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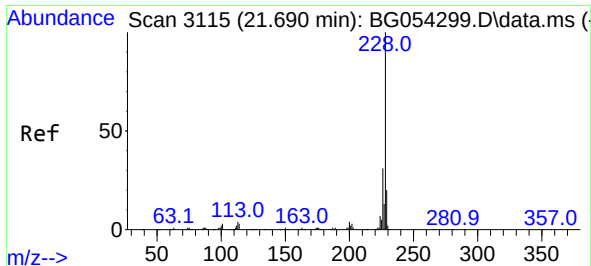
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#81
Benzo(a)anthracene
Concen: 3.774 ng
RT: 21.612 min Scan# 3170
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

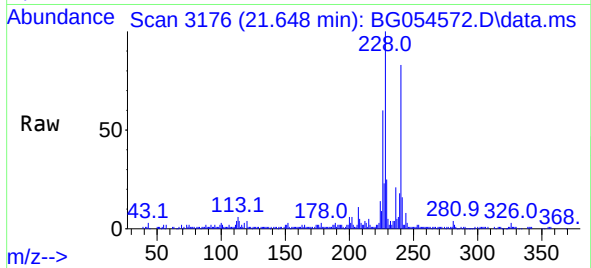
Tgt Ion:228 Resp: 43832
Ion Ratio Lower Upper
228 100
226 45.4 21.6 32.4#
229 28.2 16.2 24.2#





#83
Chrysene
Concen: 8.003 ng
RT: 21.648 min Scan# 3115
Delta R.T. -0.032 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

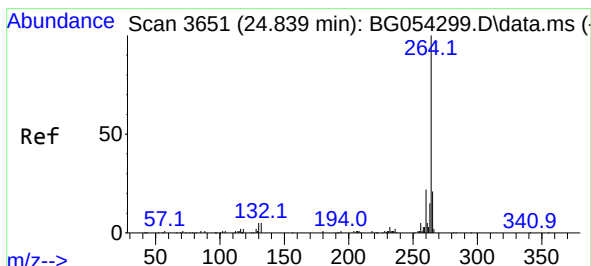
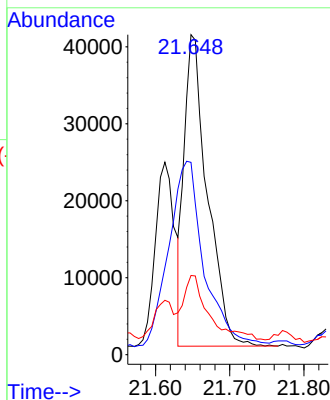
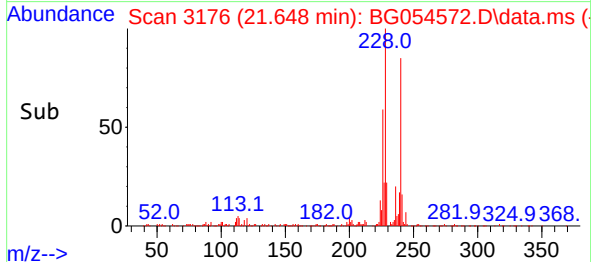
Instrument :
BNA_G
ClientSampleId :
P-5FDL



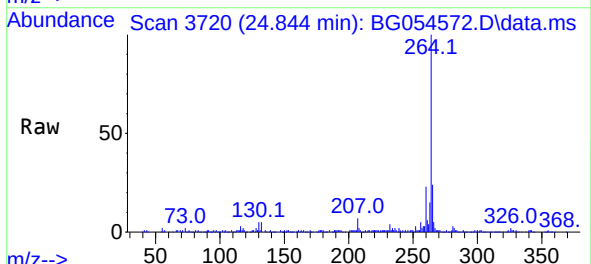
Tgt Ion:228 Resp: 87824
Ion Ratio Lower Upper
228 100
226 60.1 23.4 35.2
229 24.7 15.5 23.3

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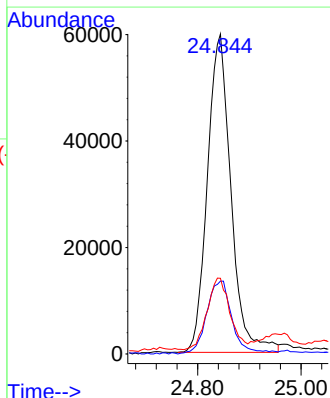
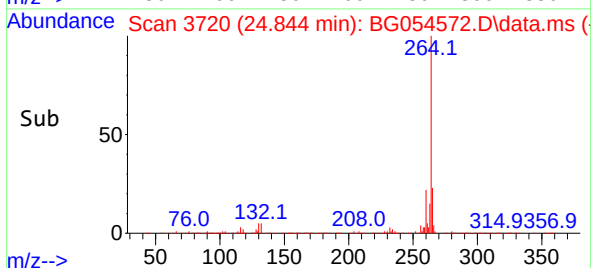
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

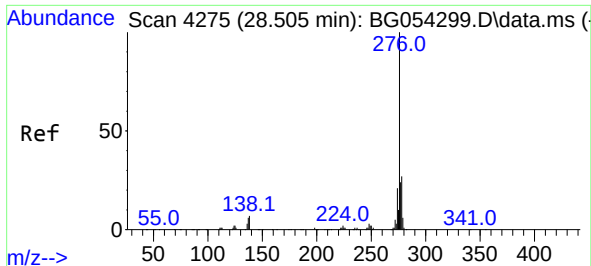


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.844 min Scan# 3720
Delta R.T. 0.009 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27



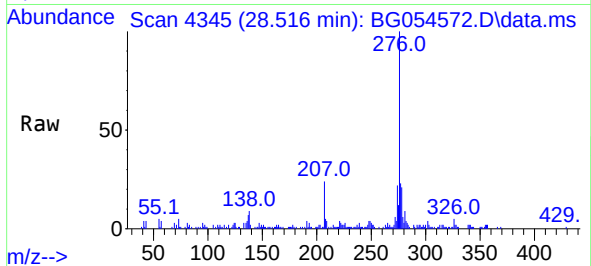
Tgt Ion:264 Resp: 189055
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.6
265 23.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.480 ng
RT: 28.516 min Scan# 41
Delta R.T. -0.014 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

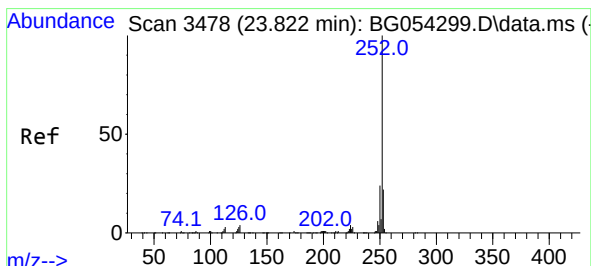
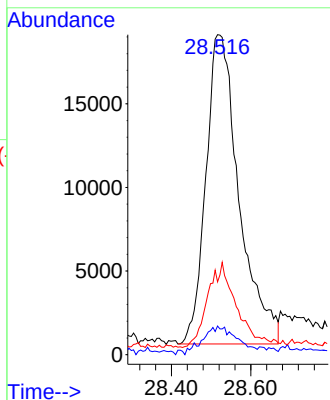
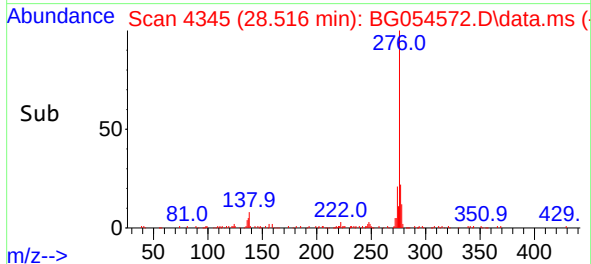
Instrument :
BNA_G
ClientSampleId :
P-5FDL



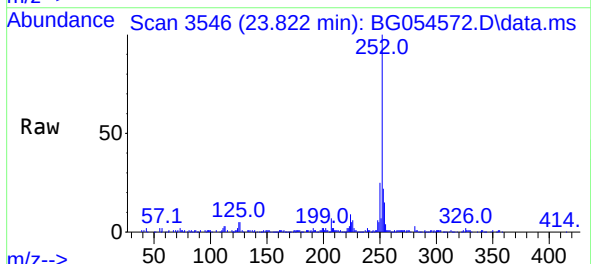
Tgt Ion:276 Resp: 107580
Ion Ratio Lower Upper
276 100
138 9.5 5.0 7.4
277 24.0 20.3 30.5

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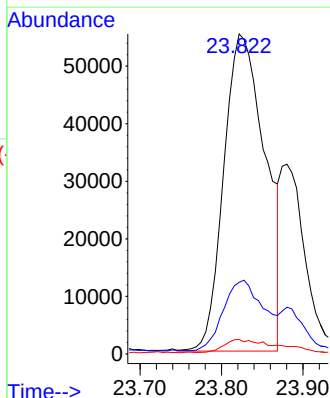
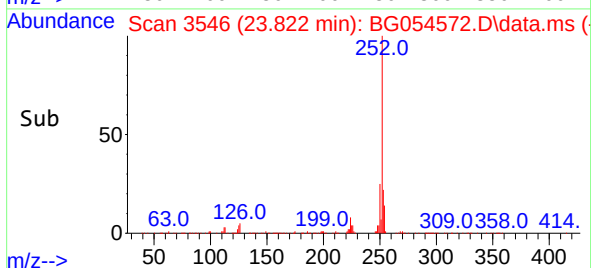
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

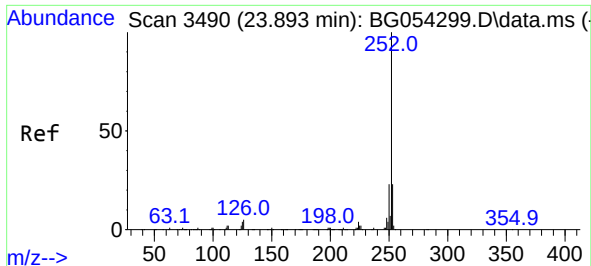


#88
Benzo(b)fluoranthene
Concen: 17.474 ng m
RT: 23.822 min Scan# 3546
Delta R.T. 0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27



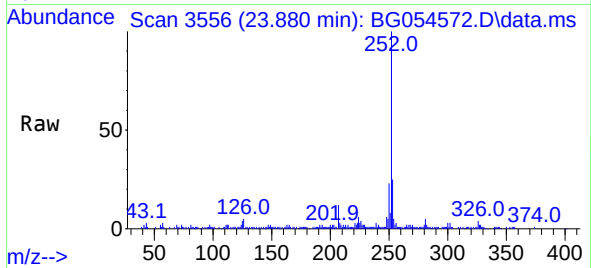
Tgt Ion:252 Resp: 195365
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 4.5 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 5.709 ng m
RT: 23.880 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27

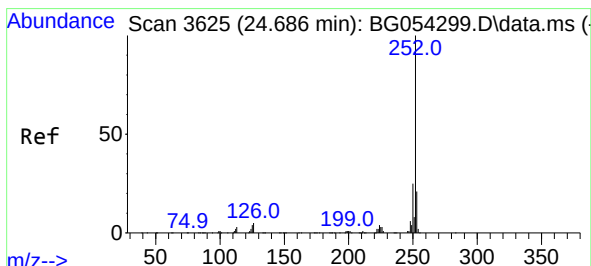
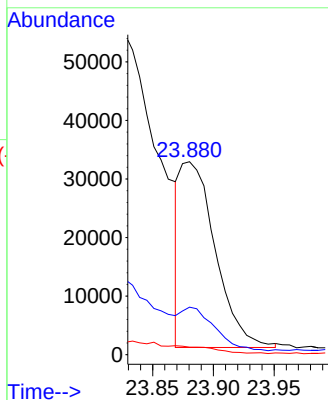
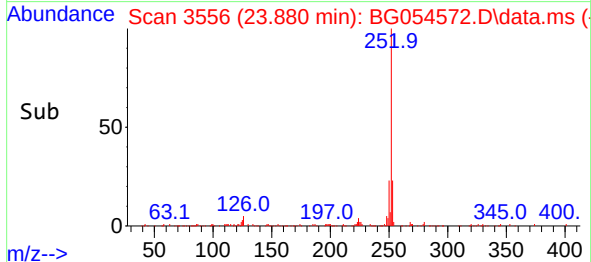
Instrument :
BNA_G
ClientSampleId :
P-5FDL



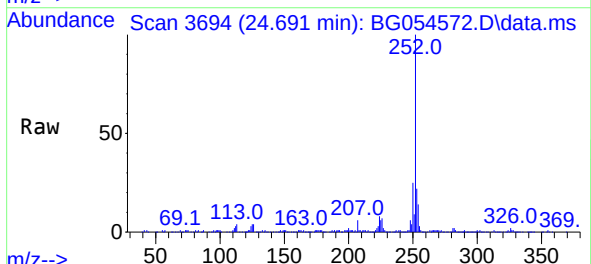
Tgt Ion:252 Resp: 63520
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 3.9 4.8 7.2

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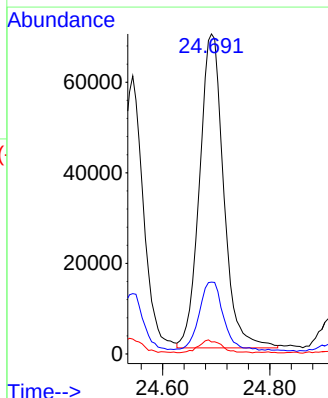
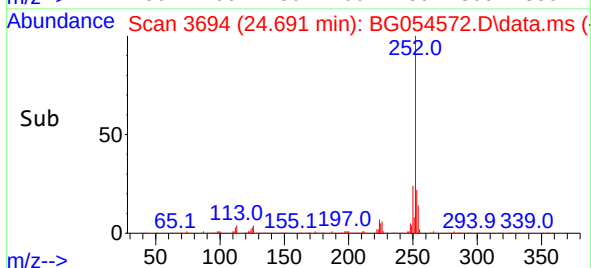
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

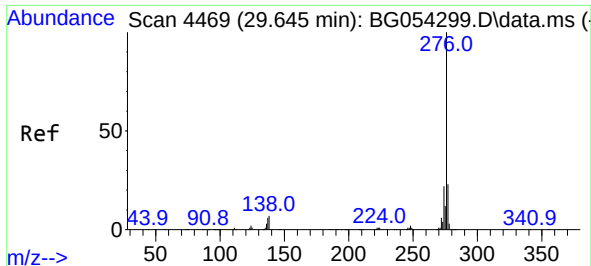


#90
Benzo(a)pyrene
Concen: 22.690 ng m
RT: 24.691 min Scan# 3694
Delta R.T. 0.003 min
Lab File: BG054572.D
Acq: 9 Aug 2022 16:27



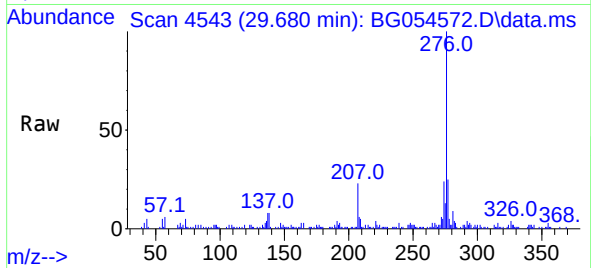
Tgt Ion:252 Resp: 216649
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 3.8 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 9.754 ng
 RT: 29.680 min Scan# 4543
 Delta R.T. 0.003 min
 Lab File: BG054572.D
 Acq: 9 Aug 2022 16:27

Instrument :
 BNA_G
 ClientSampleId :
 P-5FDL



Tgt Ion:276 Resp: 11385
 Ion Ratio Lower Upper
 276 100
 277 24.6 17.3 25.9
 138 7.8 9.6 14.4

Manual Integrations
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Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022

