

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054448.D
 Acq On : 29 Jul 2022 14:06
 Operator : CG/JU
 Sample : N3893-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/01/2022
 Supervised By : Jagrut Upadhyay 08/01/2022

Quant Time: Jul 30 03:18:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	16197	20.000	ng	0.00
21) Naphthalene-d8	10.794	136	63855	20.000	ng	# 0.00
39) Acenaphthene-d10	14.619	164	50913	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	123570	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	142204	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	151566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	80852	104.223	ng	0.00
7) Phenol-d6	7.175	99	108884	102.432	ng	0.00
23) Nitrobenzene-d5	9.149	82	71702	61.149	ng	0.00
42) 2,4,6-Tribromophenol	16.111	330	106497	99.625	ng	0.00
45) 2-Fluorobiphenyl	13.244	172	232330	64.374	ng	0.00
79) Terphenyl-d14	19.977	244	482727	67.342	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.410	178	94552	15.365	ng	97
72) Anthracene	17.498	178	25353	4.198	ng	99
75) Fluoranthene	19.419	202	228203	27.204	ng	95
78) Pyrene	19.783	202	214459	26.283	ng	98
81) Benzo(a)anthracene	21.616	228	130039	14.406	ng	99
83) Chrysene	21.681	228	117147m	13.736	ng	
87) Indeno(1,2,3-cd)pyrene	28.508	276	121620	10.548	ng	# 96
88) Benzo(b)fluoranthene	23.826	252	181253	20.221	ng	# 98
89) Benzo(k)fluoranthene	23.867	252	67840m	7.605	ng	
90) Benzo(a)pyrene	24.689	252	147641	19.287	ng	100
92) Benzo(g,h,i)perylene	29.660	276	124058	13.257	ng	# 92

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

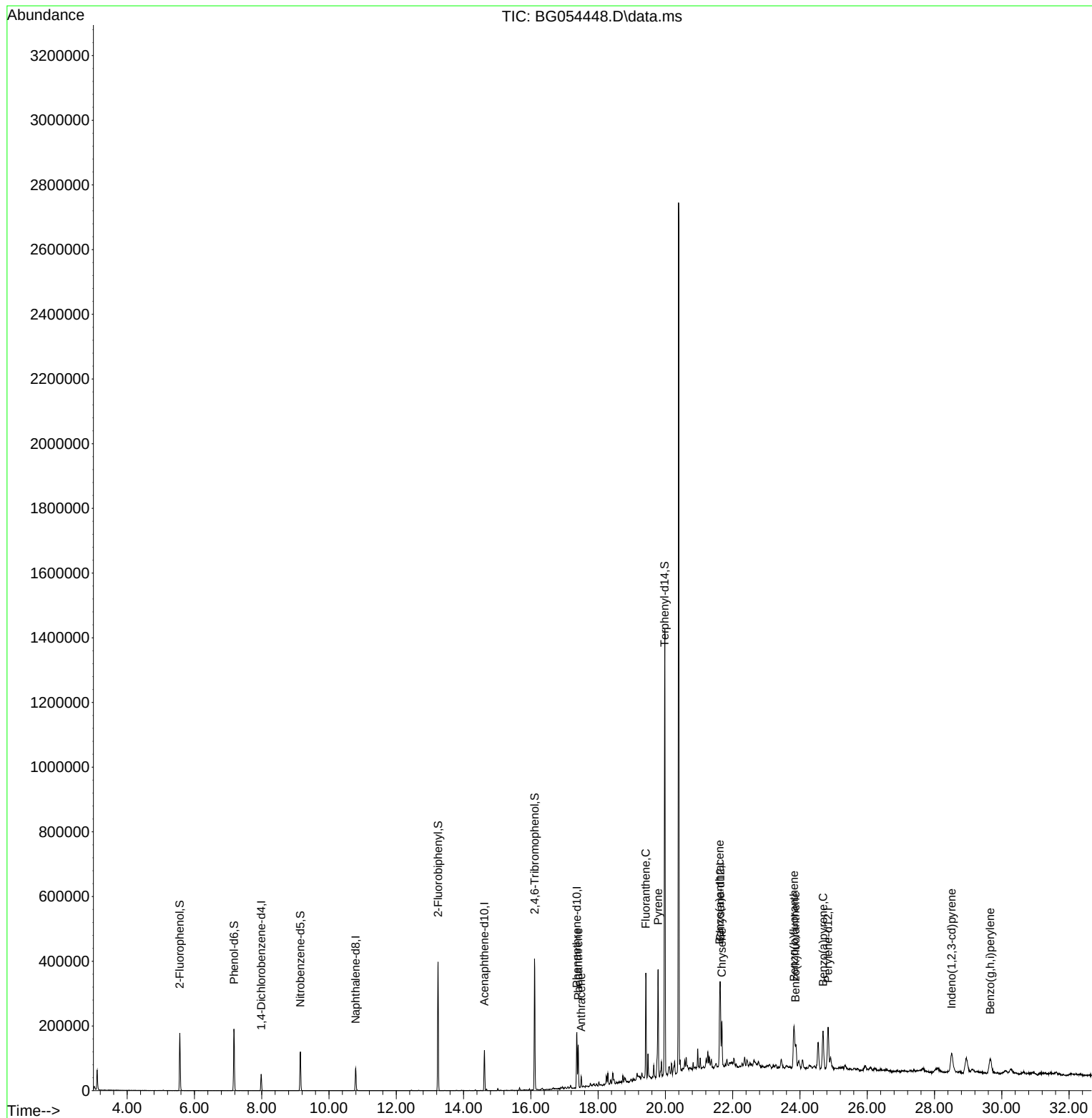
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
Data File : BG054448.D
Acq On : 29 Jul 2022 14:06
Operator : CG/JU
Sample : N3893-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

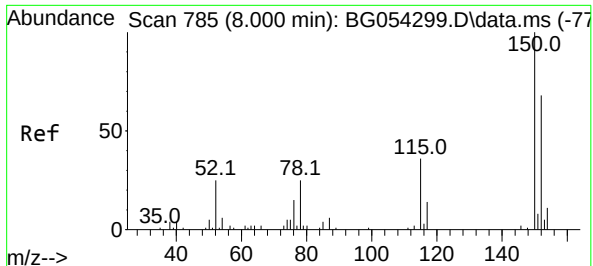
Instrument :
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Quant Time: Jul 30 03:18:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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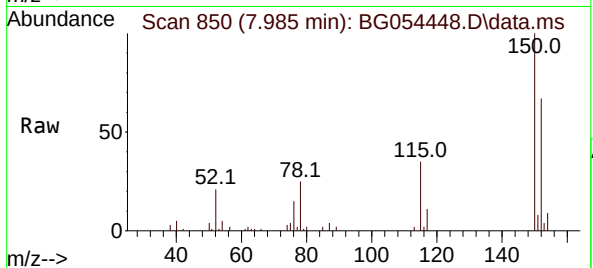
Reviewed By : Christian Giraldo 08/01/2022
Supervised By : Jagrut Upadhyay 08/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.985 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

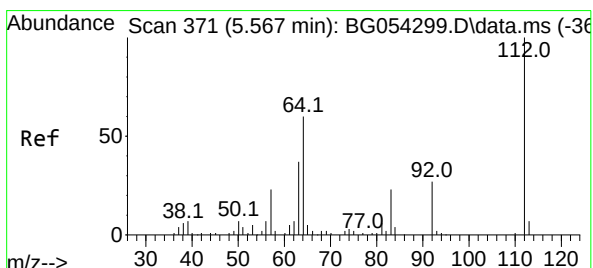
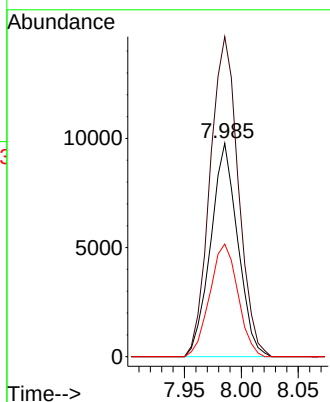
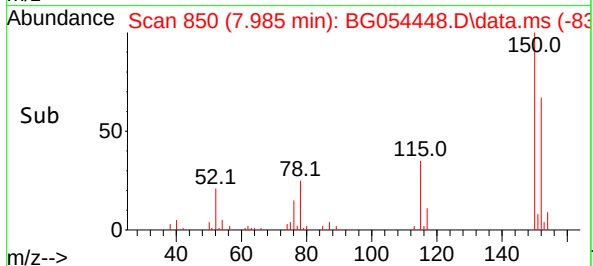
Instrument :
BNA_G
ClientSampleId :
RVE-2



Tgt Ion:152 Resp: 1619
Ion Ratio Lower Upper
152 100
150 149.9 131.6 197.4
115 52.7 50.9 76.3

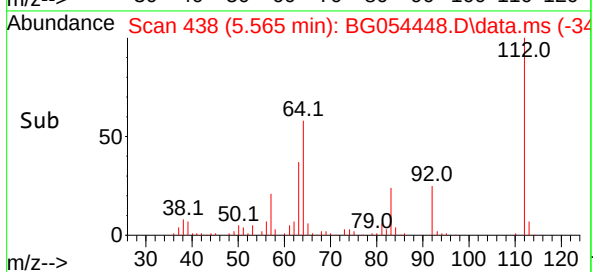
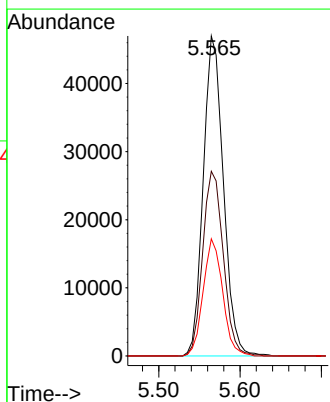
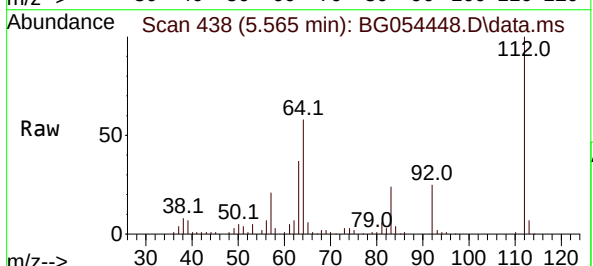
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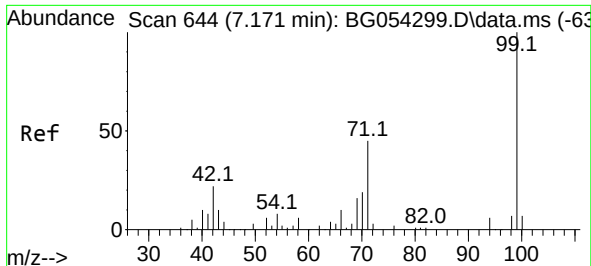
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#5
2-Fluorophenol
Concen: 104.223 ng
RT: 5.565 min Scan# 438
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

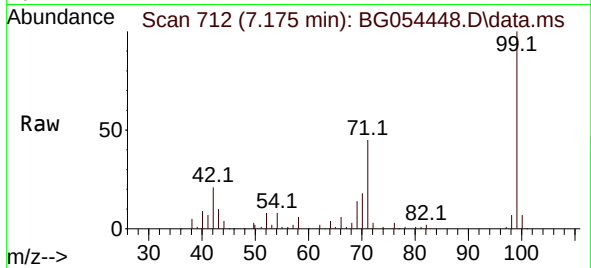
Tgt Ion:112 Resp: 80852
Ion Ratio Lower Upper
112 100
64 57.7 55.1 82.7
63 36.6 30.4 45.6





#7
Phenol-d6
Concen: 102.432 ng
RT: 7.175 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

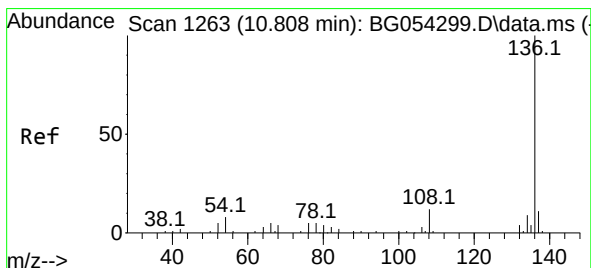
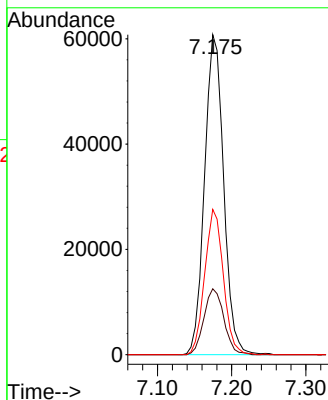
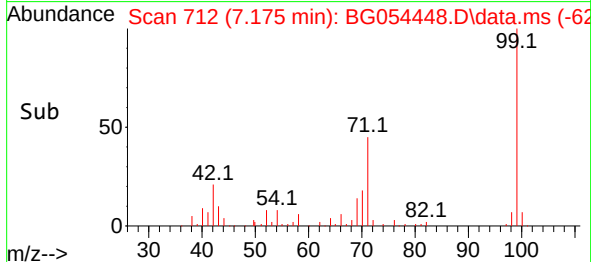
Instrument :
BNA_G
ClientSampleId :
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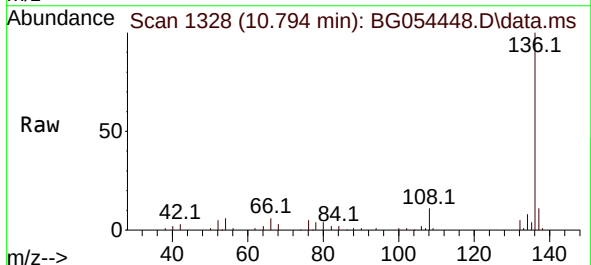
Tgt Ion: 99 Resp: 108884
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 45.4 33.8 50.8

Manual Integrations
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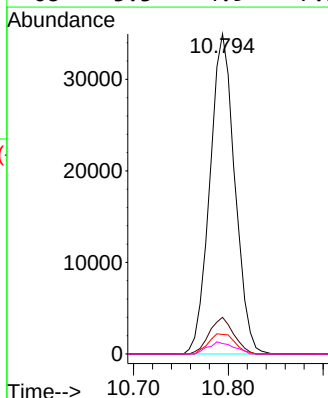
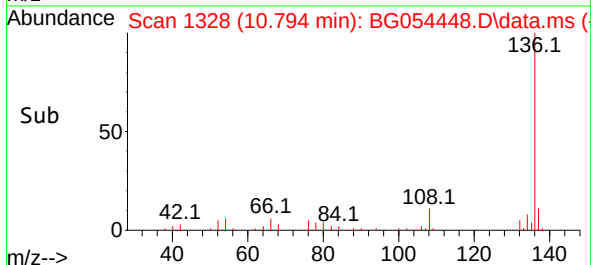
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

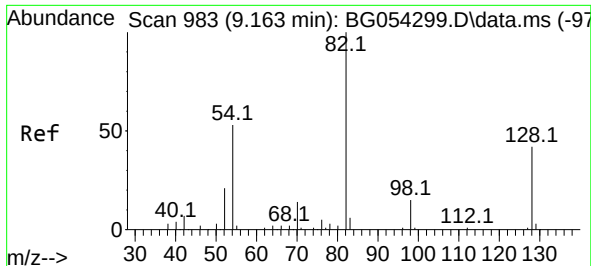


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.794 min Scan# 1328
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06



Tgt Ion:136 Resp: 63855
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 6.1 7.4 11.2#
68 3.3 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 61.149 ng
RT: 9.149 min Scan# 1048
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

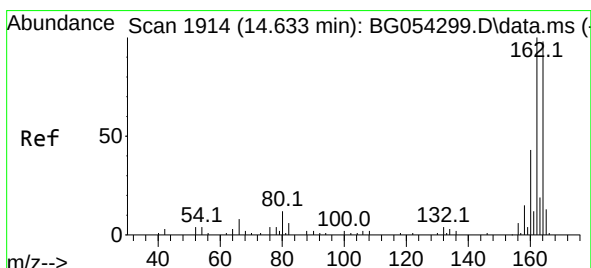
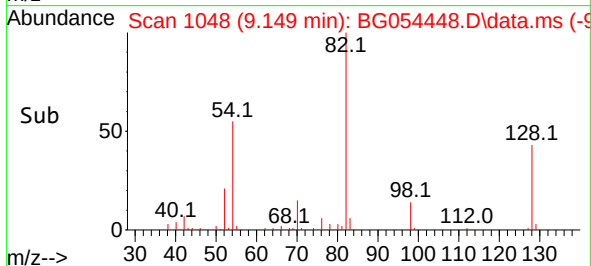
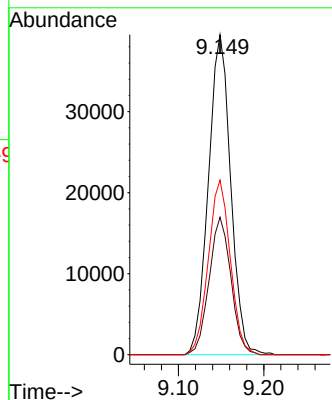
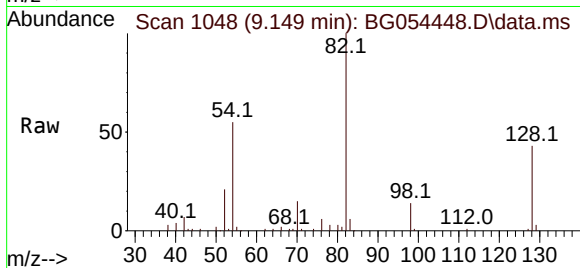
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Tgt Ion: 82 Resp: 71702
Ion Ratio Lower Upper
82 100
128 43.0 27.9 41.9
54 54.6 41.2 61.8

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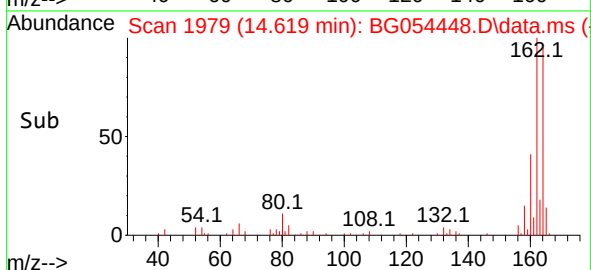
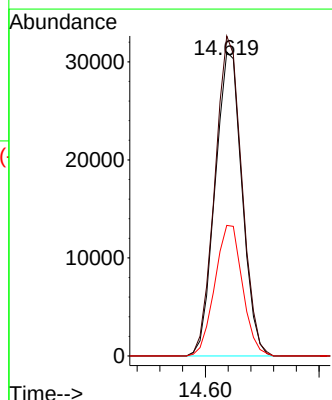
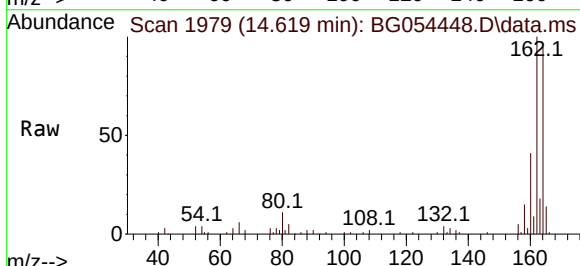
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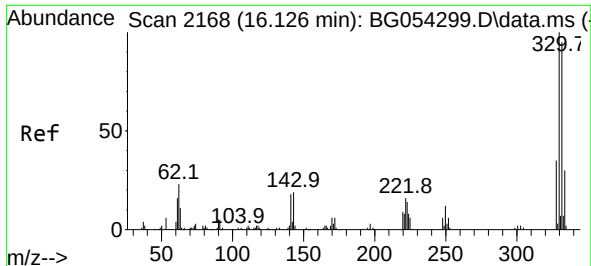
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.619 min Scan# 1979
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion:164 Resp: 50913
Ion Ratio Lower Upper
164 100
162 105.2 82.3 123.5
160 42.9 34.2 51.2





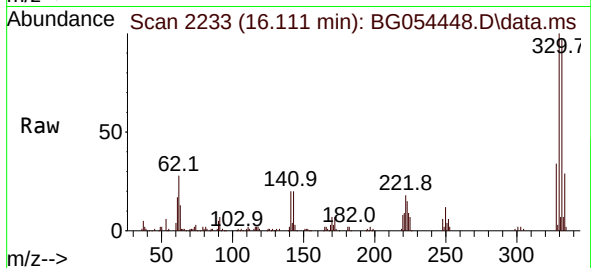
#42
2,4,6-Tribromophenol
Concen: 99.625 ng
RT: 16.111 min Scan# 2168
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

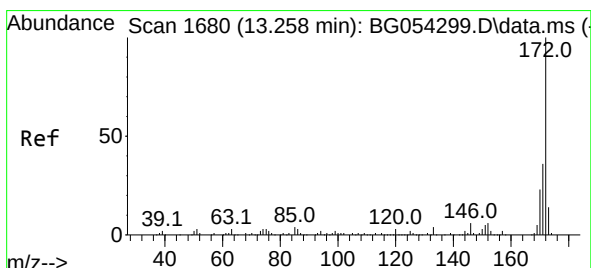
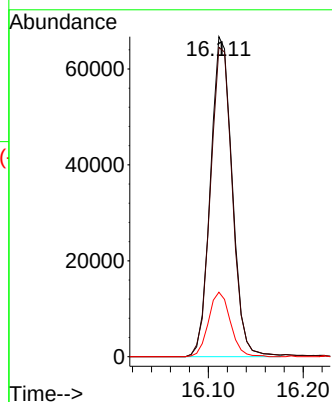
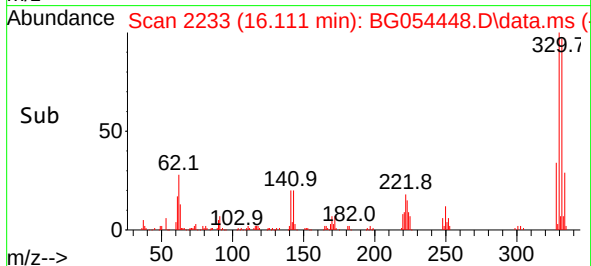


Tgt Ion:330 Resp: 106497
Ion Ratio Lower Upper
330 100
332 97.9 76.0 114.0
141 20.3 27.1 40.7

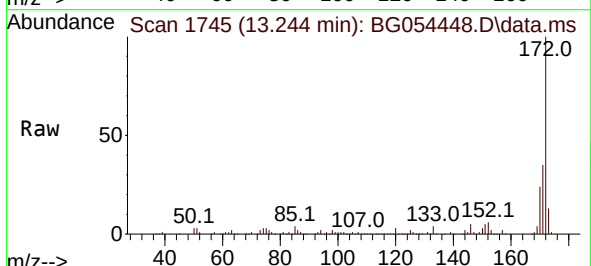
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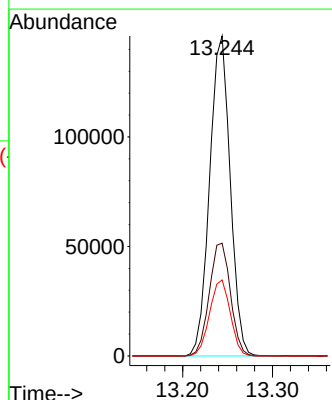
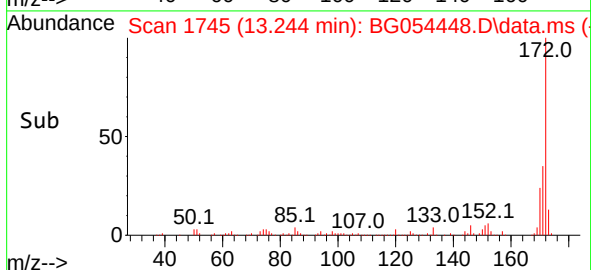
Reviewed By :Christian Giraldo 08/01/2022
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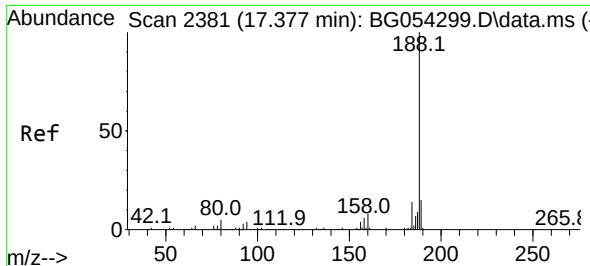


#45
2-Fluorobiphenyl
Concen: 64.374 ng
RT: 13.244 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06



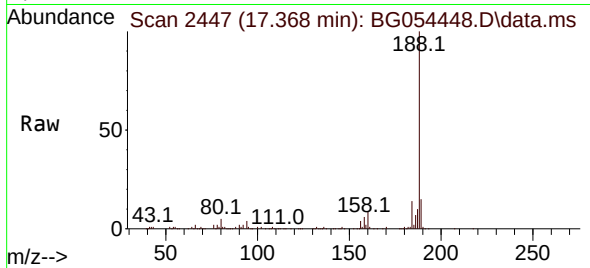
Tgt Ion:172 Resp: 232330
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.368 min Scan# 2447
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

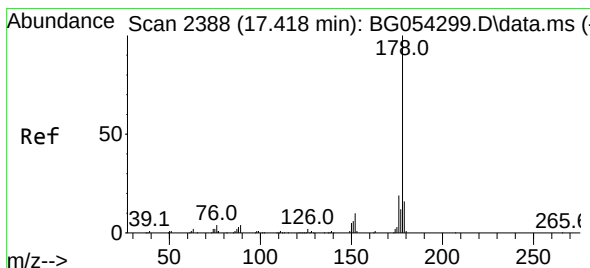
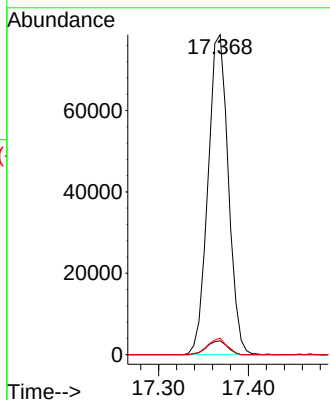
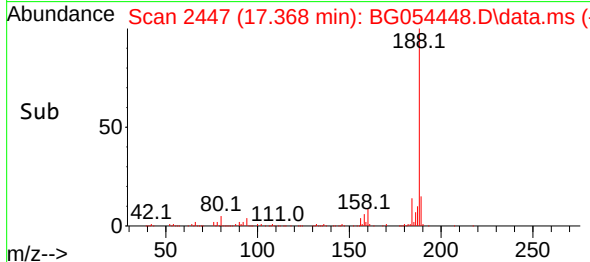
Instrument :
BNA_G
ClientSampleId :
RVE-2



Tgt Ion:188 Resp: 123570
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0
80 5.2 6.8 10.2

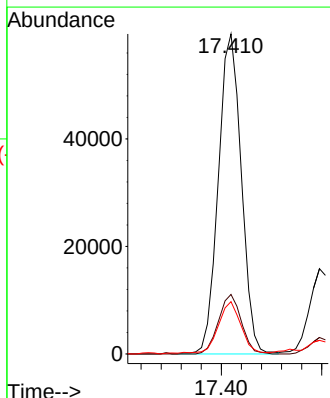
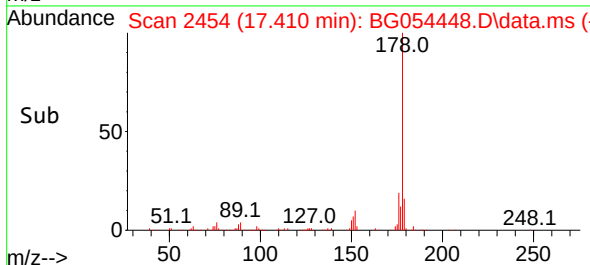
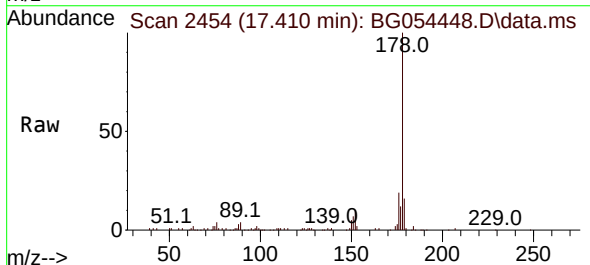
Manual Integrations
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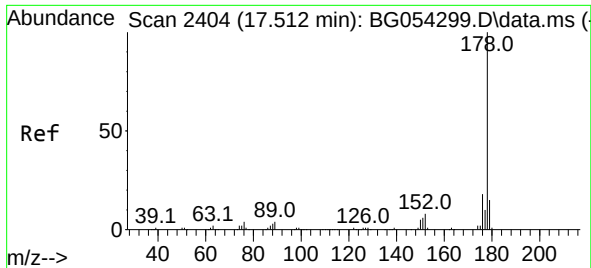
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#71
Phenanthrene
Concen: 15.365 ng
RT: 17.410 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

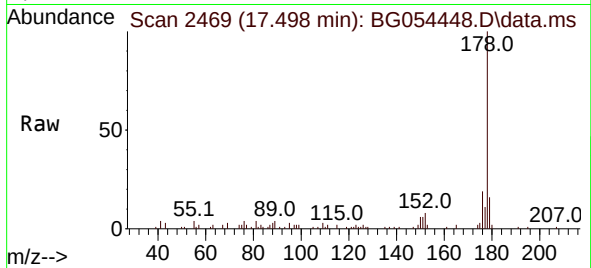
Tgt Ion:178 Resp: 94552
Ion Ratio Lower Upper
178 100
176 18.6 14.1 21.1
179 16.3 12.1 18.1





#72
 Anthracene
 Concen: 4.198 ng
 RT: 17.498 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: BG054448.D
 Acq: 29 Jul 2022 14:06

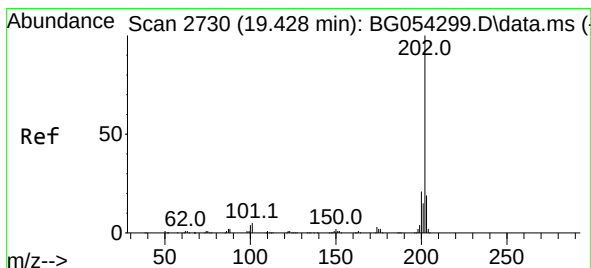
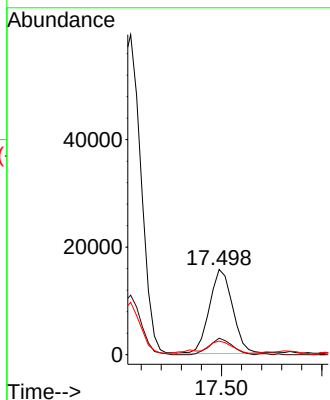
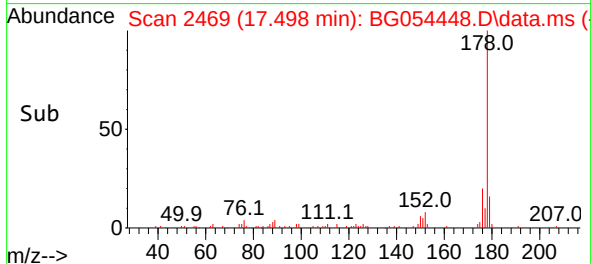
Instrument :
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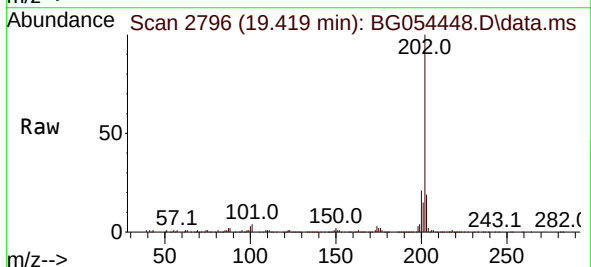
Tgt Ion:178 Resp: 2535
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.2 22.8
 179 15.9 13.0 19.4

Manual Integrations
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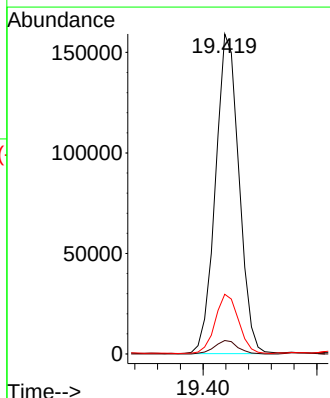
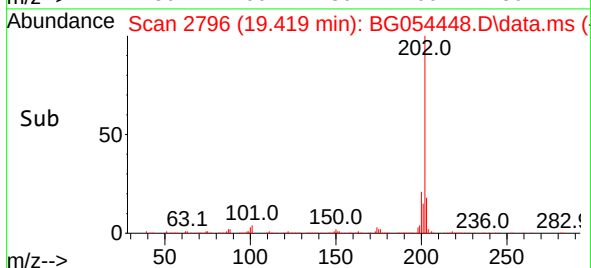
Reviewed By :Christian Giraldo 08/01/2022
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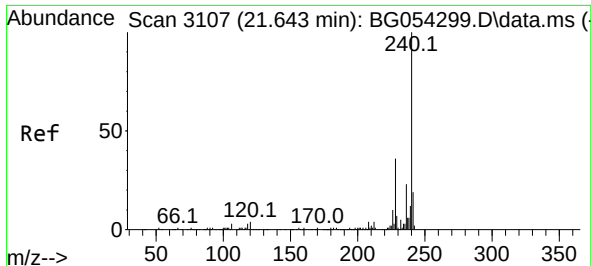


#75
 Fluoranthene
 Concen: 27.204 ng
 RT: 19.419 min Scan# 2796
 Delta R.T. -0.003 min
 Lab File: BG054448.D
 Acq: 29 Jul 2022 14:06



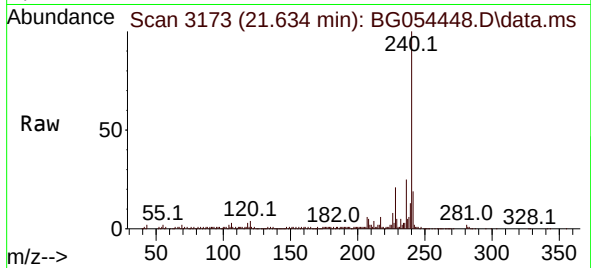
Tgt Ion:202 Resp: 228203
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 18.6 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.634 min Scan# 3107
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

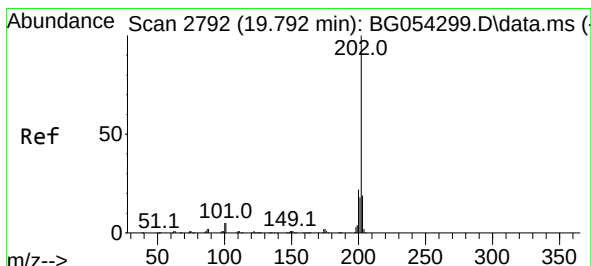
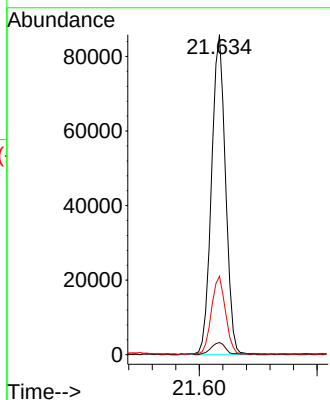
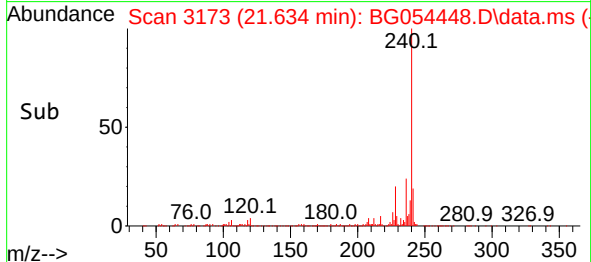
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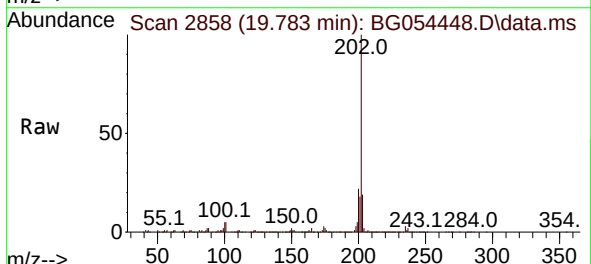
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Ion Ratio Lower Upper
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120 3.8 4.6 7.0
236 24.5 20.2 30.4

Manual Integrations
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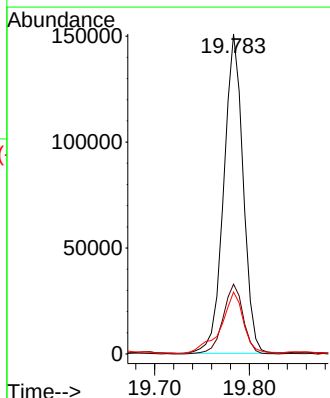
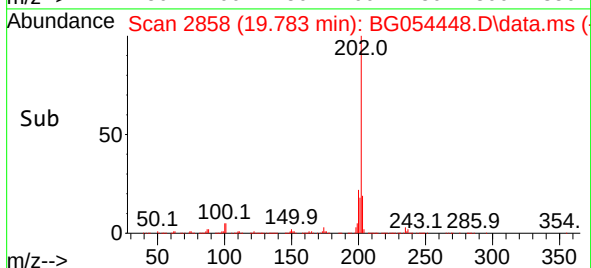
Reviewed By :Christian Giraldo 08/01/2022
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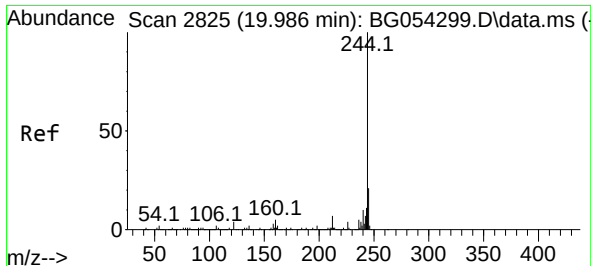


#78
Pyrene
Concen: 26.283 ng
RT: 19.783 min Scan# 2858
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06



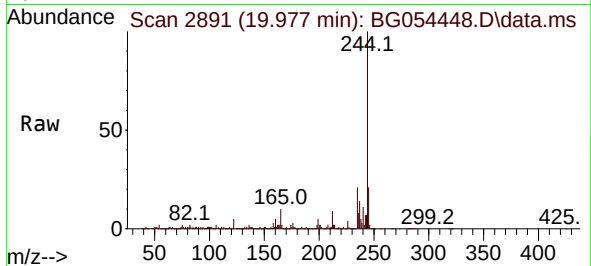
Tgt Ion:202 Resp: 214459
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.3 14.6 21.8





#79
Terphenyl-d14
Concen: 67.342 ng
RT: 19.977 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

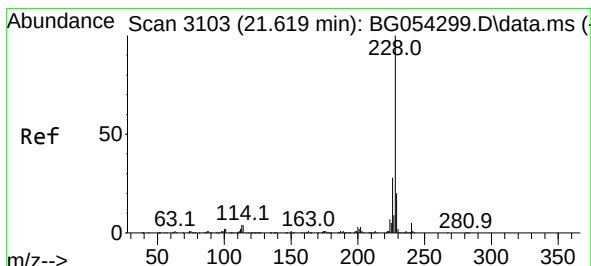
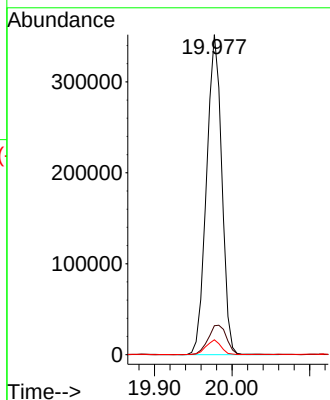
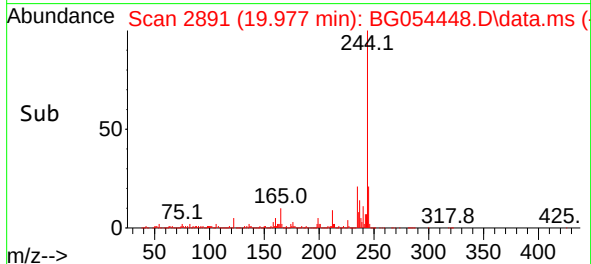
Instrument :
BNA_G
ClientSampleId :
RVE-2



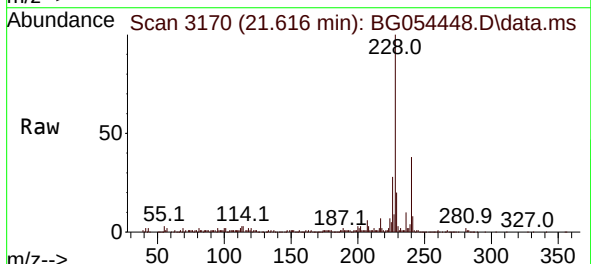
Tgt Ion:244 Resp: 48272
Ion Ratio Lower Upper
244 100
212 9.1 6.5 9.7
122 4.7 5.0 7.4

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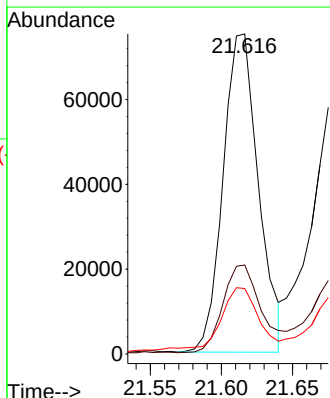
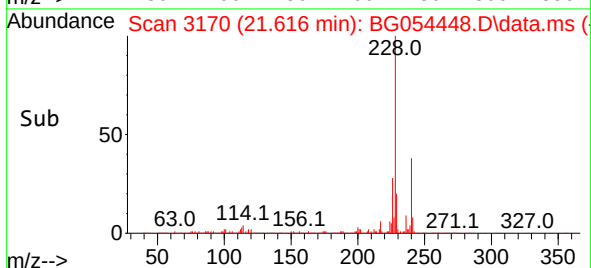
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

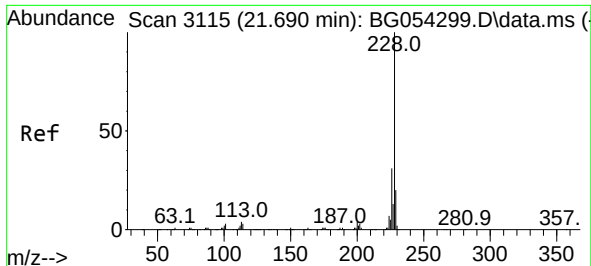


#81
Benzo(a)anthracene
Concen: 14.406 ng
RT: 21.616 min Scan# 3170
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06



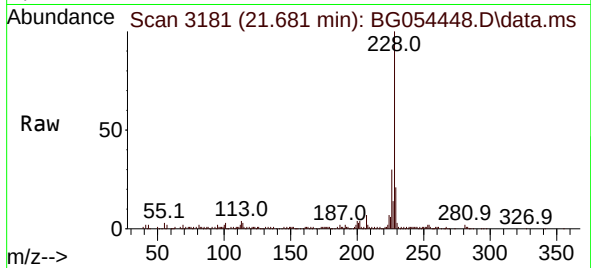
Tgt Ion:228 Resp: 130039
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 20.5 16.2 24.2





#83
Chrysene
Concen: 13.736 ng m
RT: 21.681 min Scan# 3115
Delta R.T. -0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

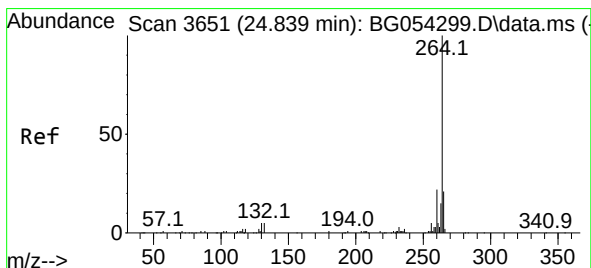
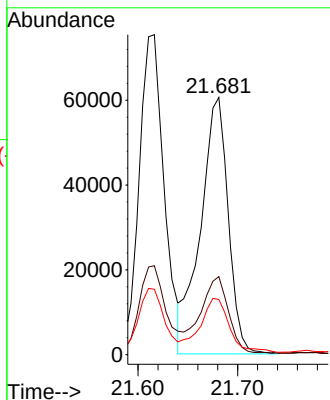
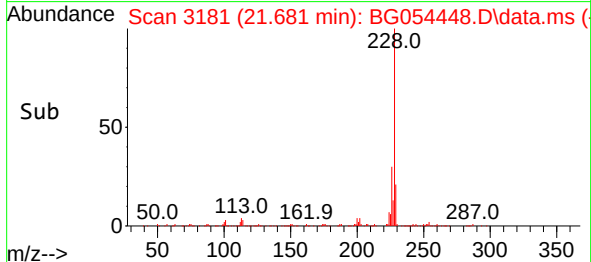
Instrument :
BNA_G
ClientSampleId :
RVE-2



Tgt Ion:228 Resp: 11714
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 21.5 15.5 23.3

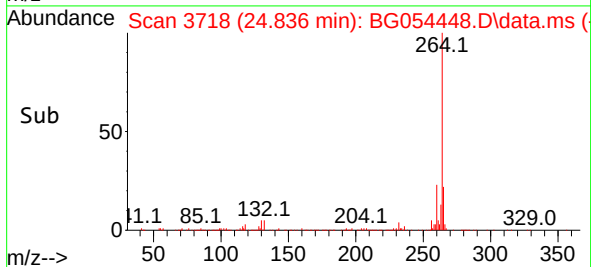
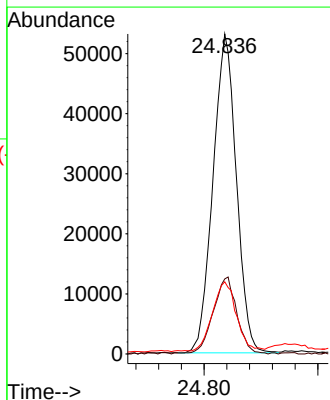
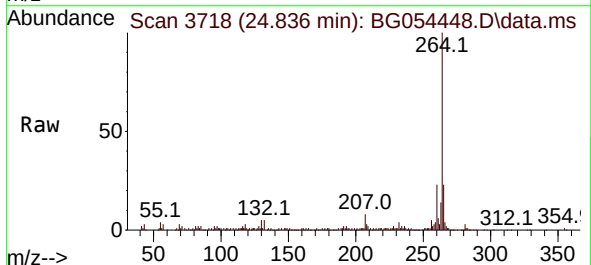
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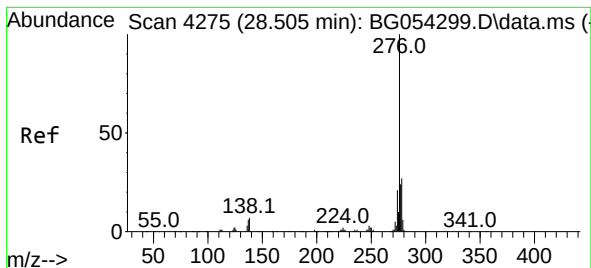
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.836 min Scan# 3718
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion:264 Resp: 151566
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.548 ng

RT: 28.508 min Scan# 41

Delta R.T. -0.009 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2

Tgt Ion:276 Resp: 121620

Ion Ratio Lower Upper

276 100

138 8.3 5.0 7.4

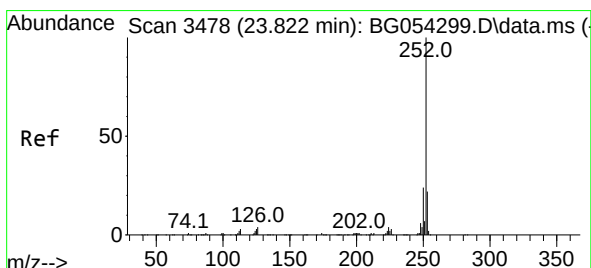
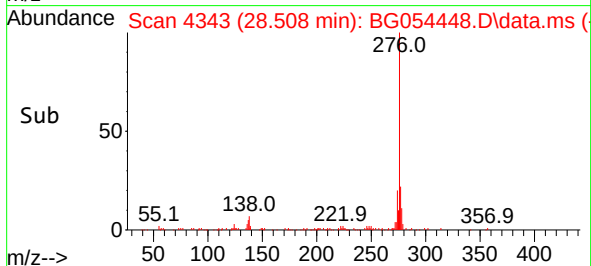
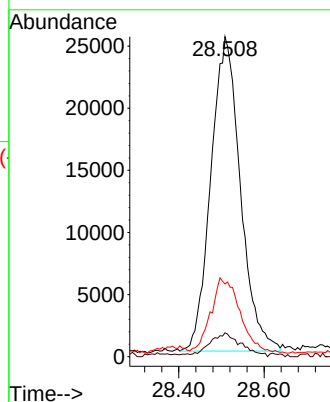
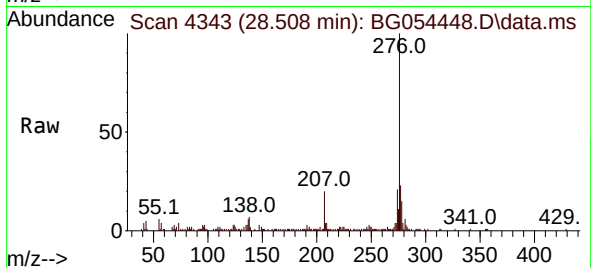
277 24.0 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/01/2022

Supervised By :Jagrut Upadhyay 08/01/2022



#88

Benzo(b)fluoranthene

Concen: 20.221 ng

RT: 23.826 min Scan# 3546

Delta R.T. 0.003 min

Lab File: BG054448.D

Acq: 29 Jul 2022 14:06

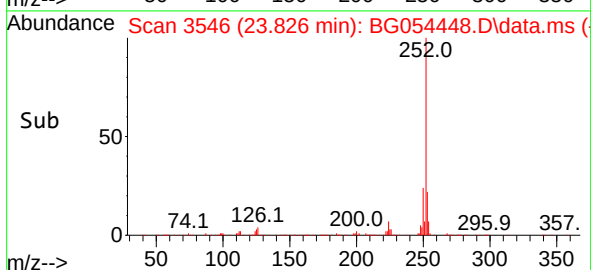
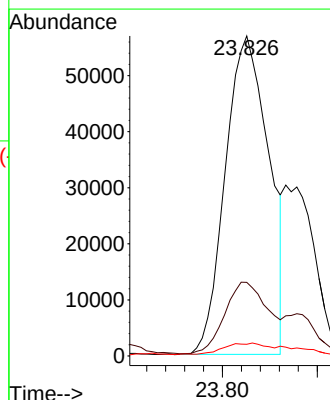
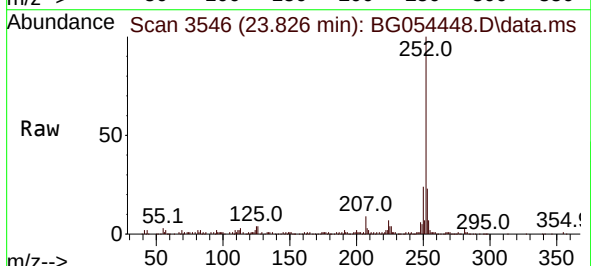
Tgt Ion:252 Resp: 181253

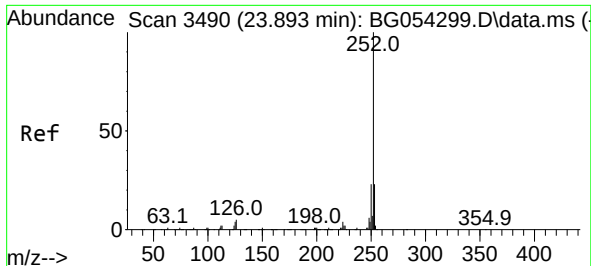
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 3.6 4.6 6.8





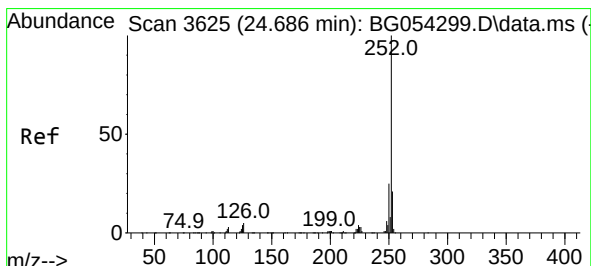
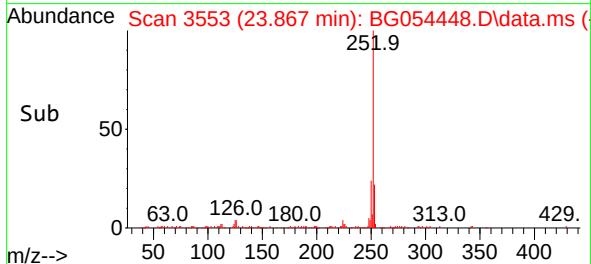
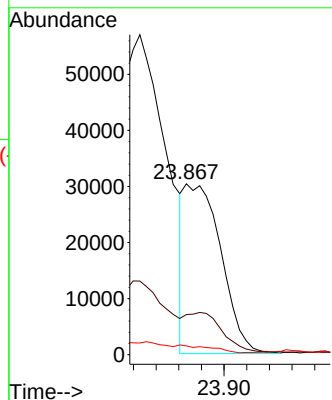
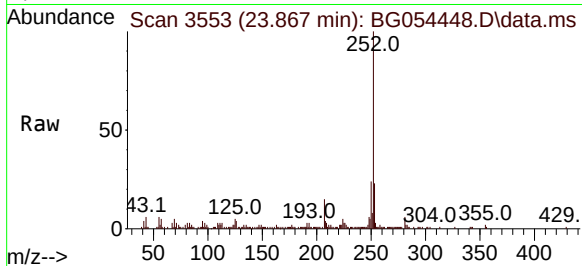
#89
Benzo(k)fluoranthene
Concen: 7.605 ng m
RT: 23.867 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Instrument :
BNA_G
ClientSampleId :
RVE-2

Tgt Ion:252 Resp: 67840
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 5.1 4.8 7.2

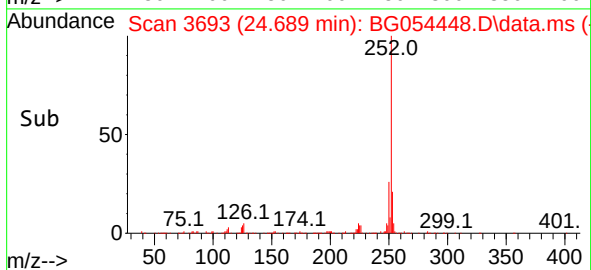
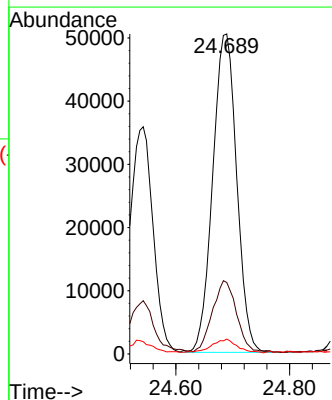
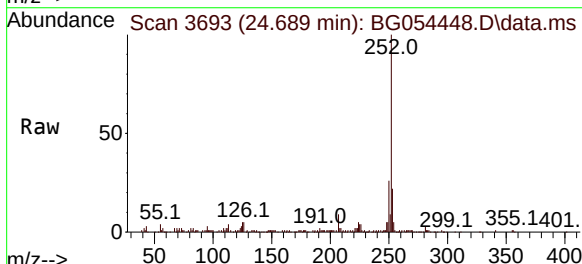
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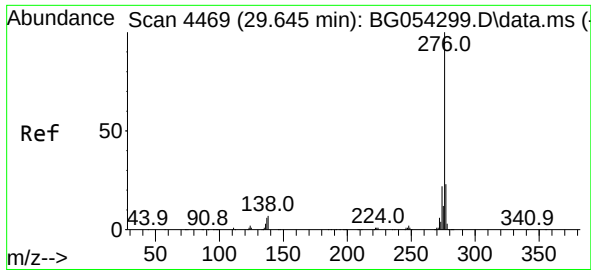
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#90
Benzo(a)pyrene
Concen: 19.287 ng
RT: 24.689 min Scan# 3693
Delta R.T. 0.003 min
Lab File: BG054448.D
Acq: 29 Jul 2022 14:06

Tgt Ion:252 Resp: 147641
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 4.6 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 13.257 ng

RT: 29.660 min Scan# 4

Delta R.T. -0.003 min

Lab File: BG054448.D

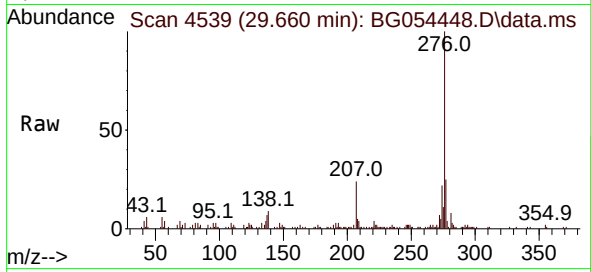
Acq: 29 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

RVE-2



Tgt Ion:276 Resp: 124058

Ion Ratio Lower Upper

276 100

277 25.1 17.3 25.9

138 9.0 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/01/2022

Supervised By :Jagrut Upadhyay 08/01/2022

