

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091322\
 Data File : BG054935.D
 Acq On : 13 Sep 2022 23:56
 Operator : CG/JU
 Sample : N4572-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/14/2022
 Supervised By : Jagrut Upadhyay 09/14/2022

Quant Time: Sep 14 03:24:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.134	152	43853	20.000	ng	-0.01
21) Naphthalene-d8	10.960	136	174506	20.000	ng	#-0.01
39) Acenaphthene-d10	14.773	164	120066	20.000	ng	0.00
64) Phenanthrene-d10	17.517	188	272697	20.000	ng	-0.01
76) Chrysene-d12	21.812	240	265467	20.000	ng	-0.01
86) Perylene-d12	25.185	264	280231	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	245658	97.548	ng	0.00
7) Phenol-d6	7.288	99	321620	93.385	ng	-0.01
23) Nitrobenzene-d5	9.309	82	185892	55.922	ng	-0.01
42) 2,4,6-Tribromophenol	16.260	330	152395	101.576	ng	-0.01
45) 2-Fluorobiphenyl	13.393	172	366478	45.877	ng	-0.01
79) Terphenyl-d14	20.114	244	540279	40.325	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.832	154	38671	5.388	ng	98
55) Dibenzofuran	15.167	168	25104	2.380	ng	98
58) Fluorene	15.813	166	45711	5.145	ng	98
70) Pentachlorophenol	17.188	266	11057m	6.046	ng	
71) Phenanthrene	17.558	178	185728	12.785	ng	98
72) Anthracene	17.652	178	47449	3.360	ng	97
75) Fluoranthene	19.568	202	349530	19.779	ng	97
78) Pyrene	19.932	202	275786	14.899	ng	99
81) Benzo(a)anthracene	21.789	228	88337	4.908	ng	97
83) Chrysene	21.859	228	85660	4.977	ng	99
88) Benzo(b)fluoranthene	24.104	252	86542	4.923	ng	99
90) Benzo(a)pyrene	25.014	252	52528	3.497	ng	99

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

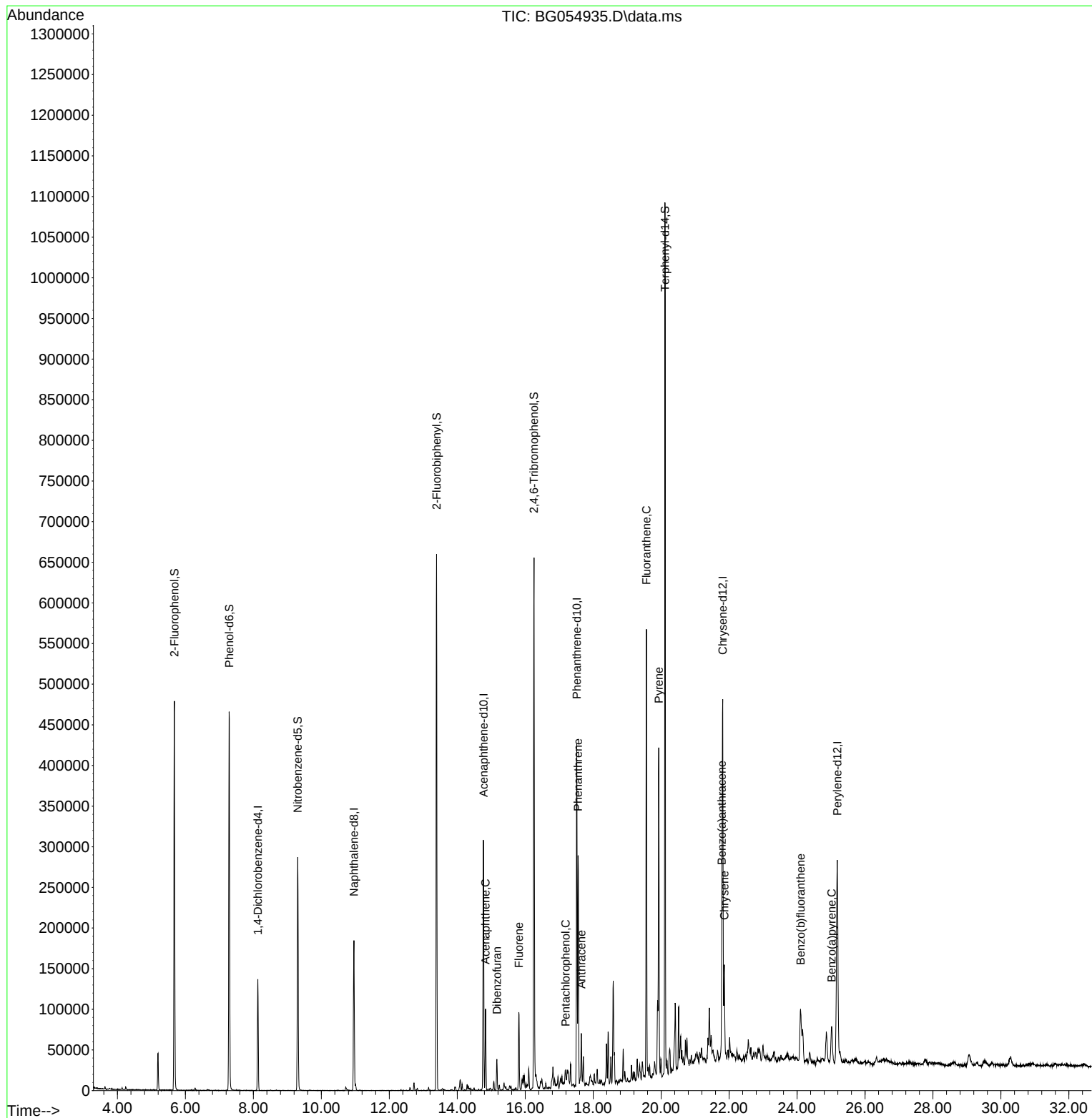
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091322\
Data File : BG054935.D
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Operator : CG/JU
Sample : N4572-07
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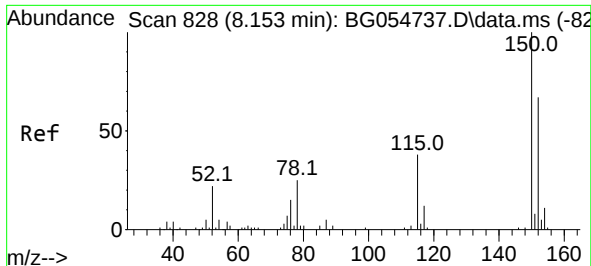
Instrument :
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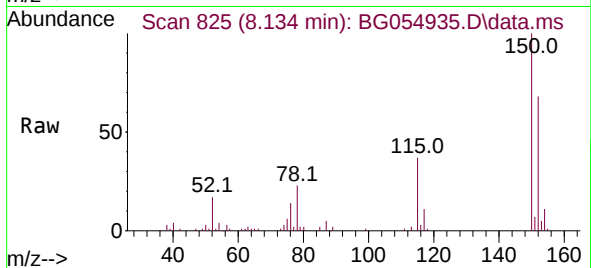
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Supervised By : Jagrut Upadhyay 09/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

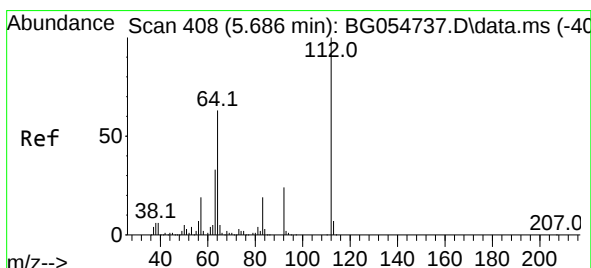
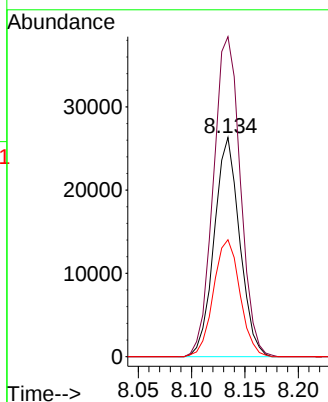
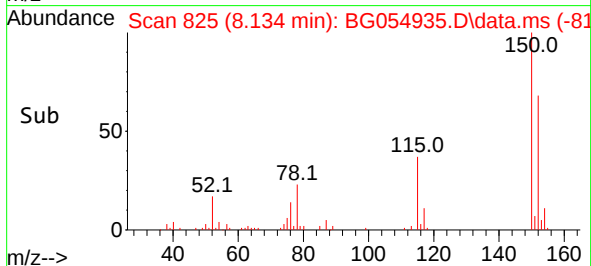
Instrument :
BNA_G
ClientSampleId :
PSC-124035



Tgt Ion:152 Resp: 4385
Ion Ratio Lower Upper
152 100
150 146.0 125.2 187.8
115 53.3 47.9 71.9

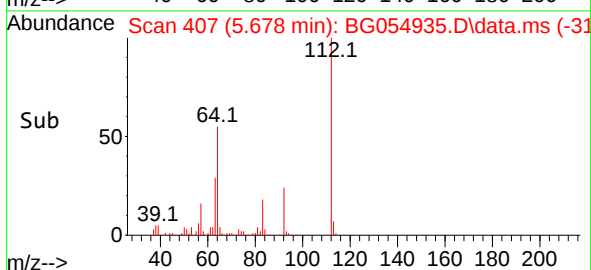
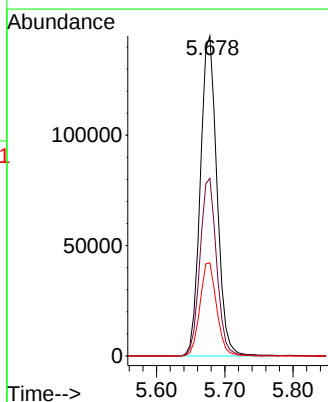
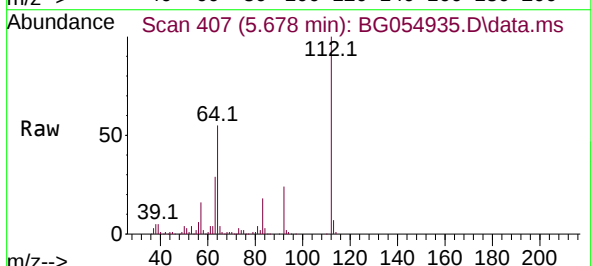
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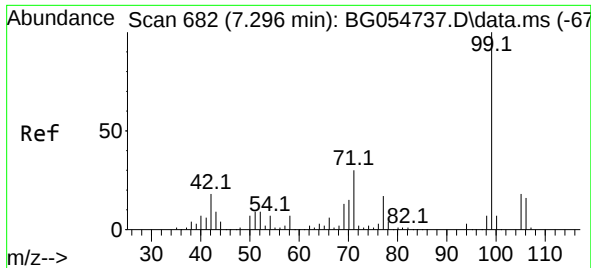
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022



#5
2-Fluorophenol
Concen: 97.548 ng
RT: 5.678 min Scan# 407
Delta R.T. -0.006 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

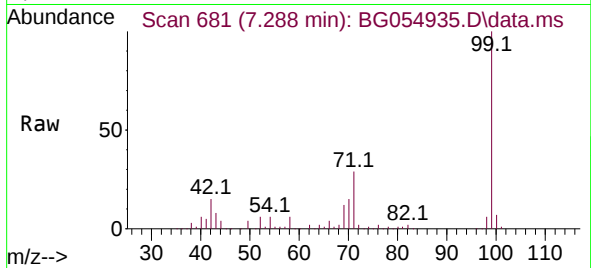
Tgt Ion:112 Resp: 245658
Ion Ratio Lower Upper
112 100
64 55.5 49.3 73.9
63 29.1 26.3 39.5





#7
Phenol-d6
Concen: 93.385 ng
RT: 7.288 min Scan# 681
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

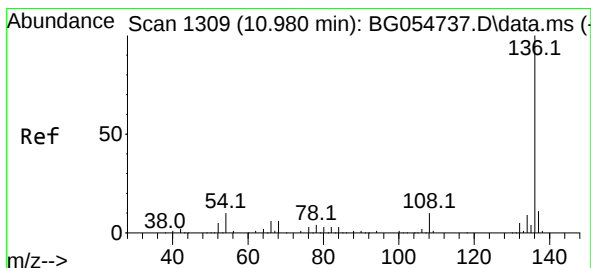
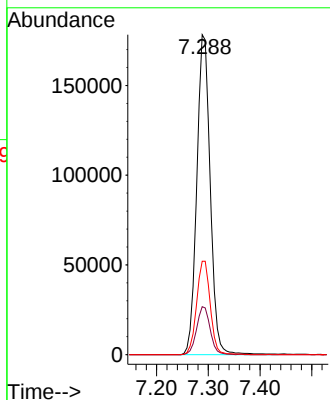
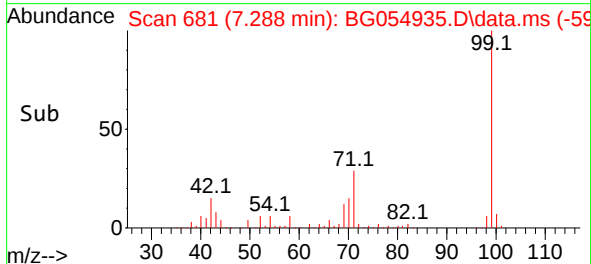
Instrument :
BNA_G
ClientSampleId :
PSC-124035



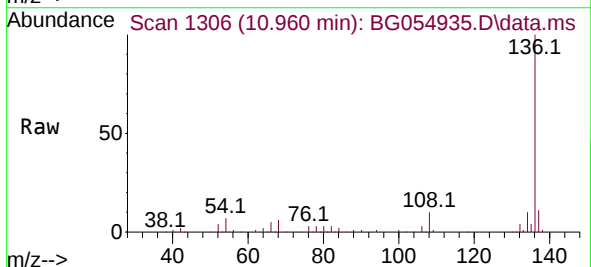
Tgt Ion: 99 Resp: 321620
Ion Ratio Lower Upper
99 100
42 15.0 14.6 22.0
71 29.2 24.6 37.0

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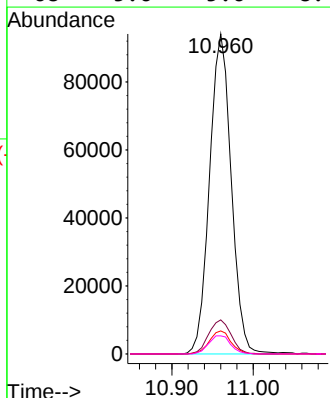
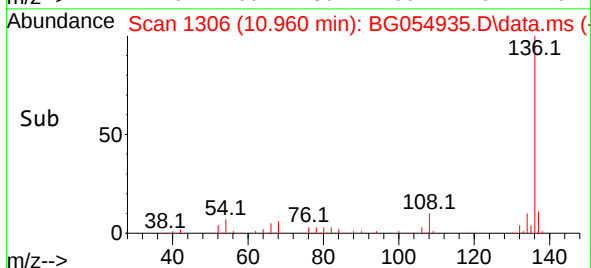
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022

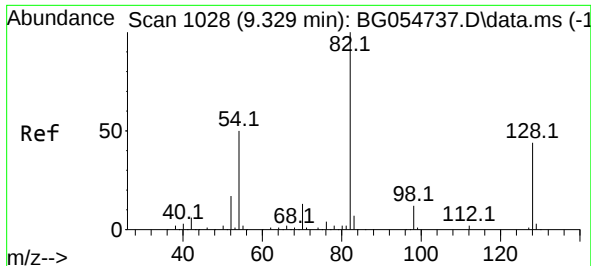


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.960 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56



Tgt Ion:136 Resp: 174506
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 7.2 7.7 11.5#
68 5.6 5.6 8.4





#23

Nitrobenzene-d5

Concen: 55.922 ng

RT: 9.309 min Scan# 1028

Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035

Tgt Ion: 82 Resp: 185892

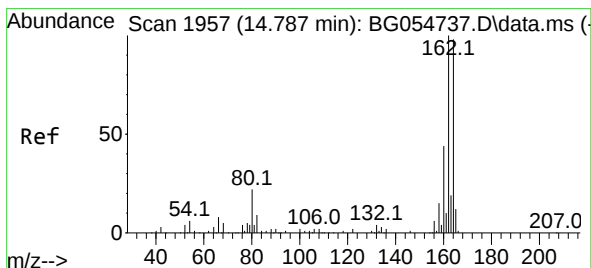
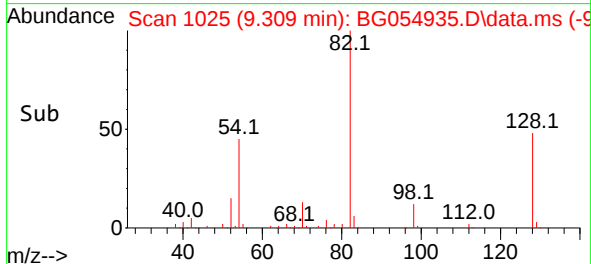
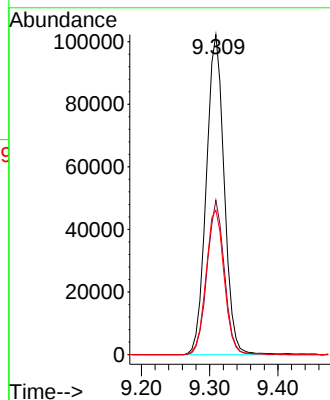
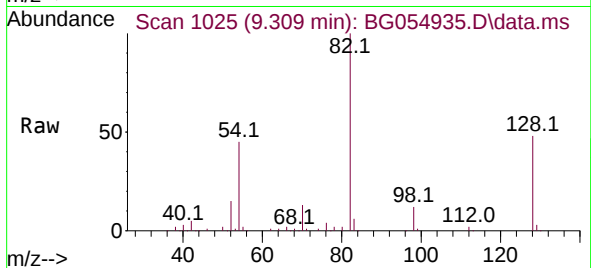
Ion	Ratio	Lower	Upper
82	100		
128	48.2	32.2	48.2
54	45.1	41.4	62.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.773 min Scan# 1955

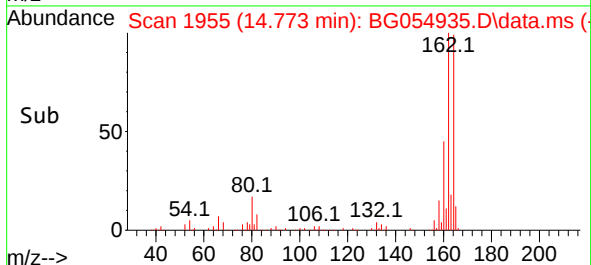
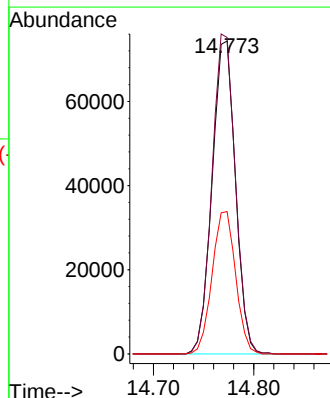
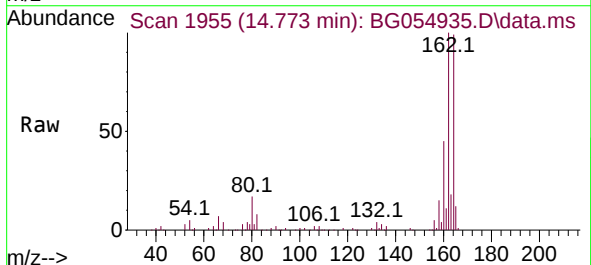
Delta R.T. -0.006 min

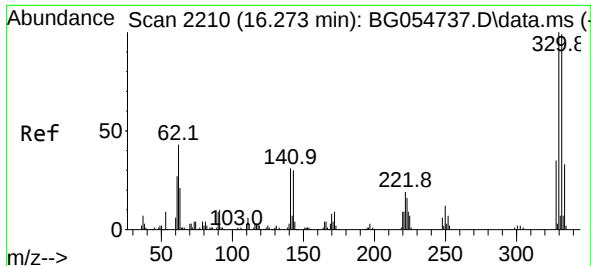
Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Tgt Ion:164 Resp: 120066

Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.0	124.4
160	45.5	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 101.576 ng
RT: 16.260 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

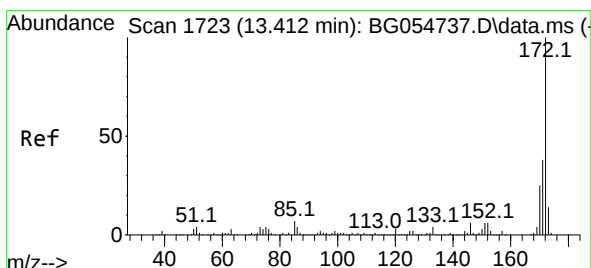
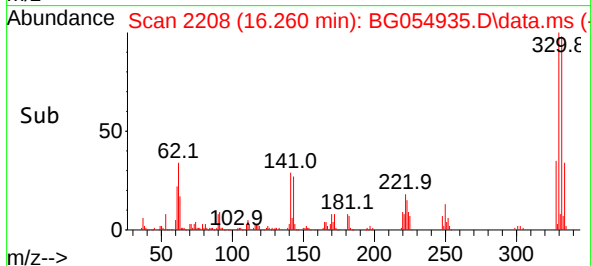
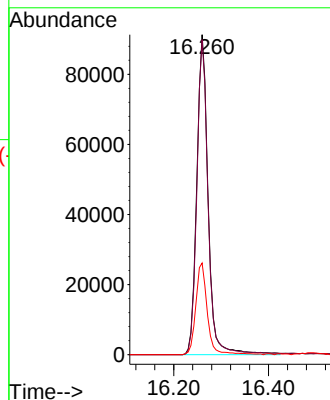
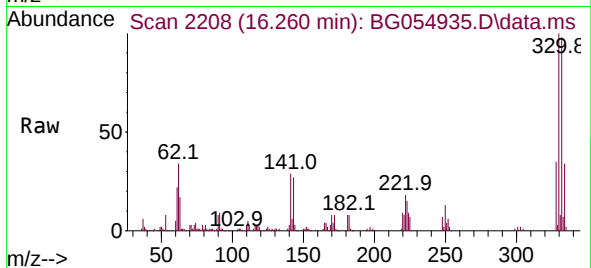
PSC-124035

Tgt Ion:330 Resp: 152395
Ion Ratio Lower Upper
330 100
332 97.4 79.8 119.6
141 29.0 26.8 40.2

Manual Integrations

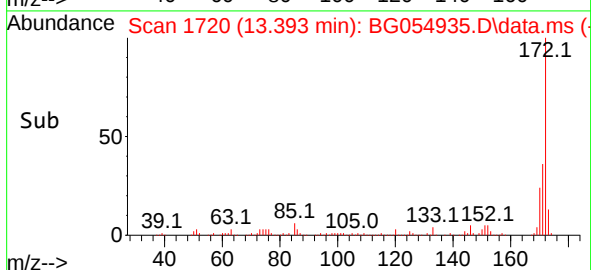
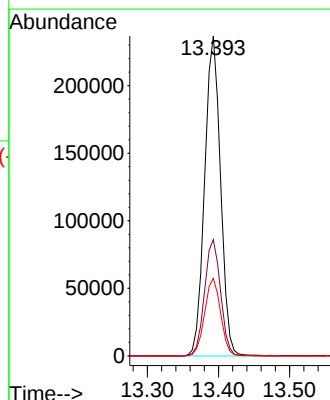
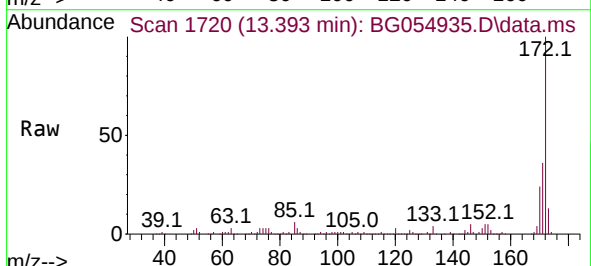
APPROVED

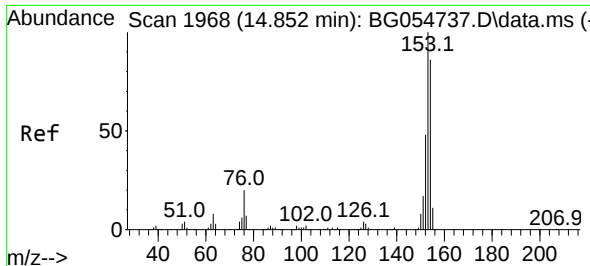
Reviewed By :Christian Giraldo 09/14/2022
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#45
2-Fluorobiphenyl
Concen: 45.877 ng
RT: 13.393 min Scan# 1720
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

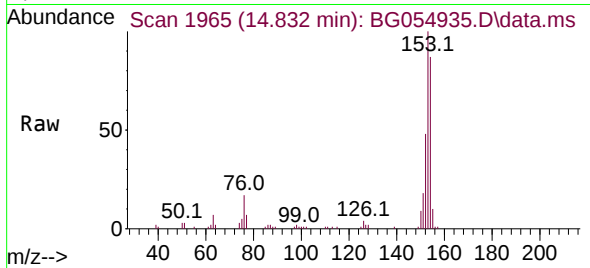
Tgt Ion:172 Resp: 366478
Ion Ratio Lower Upper
172 100
171 36.3 31.2 46.8
170 24.2 20.6 30.8





#52
Acenaphthene
Concen: 5.388 ng
RT: 14.832 min Scan# 1968
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

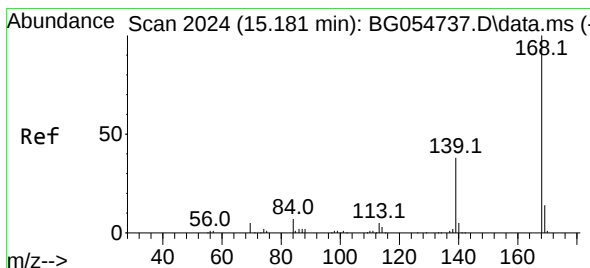
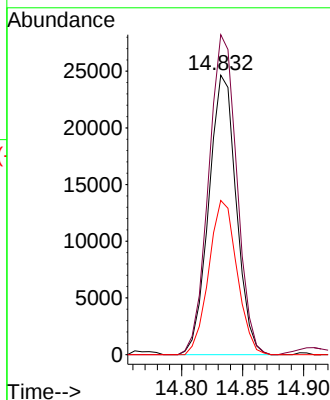
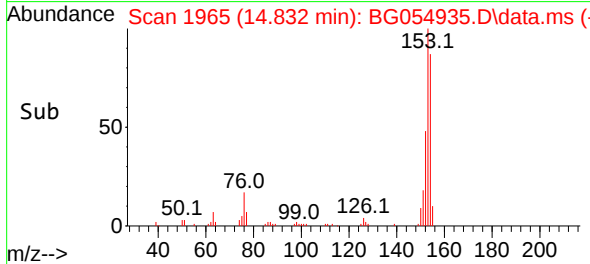
Instrument :
BNA_G
ClientSampleId :
PSC-124035



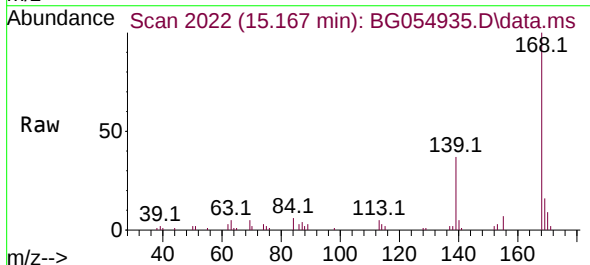
Tgt Ion:154 Resp: 3867
Ion Ratio Lower Upper
154 100
153 114.5 92.8 139.2
152 55.2 45.4 68.2

Manual Integrations
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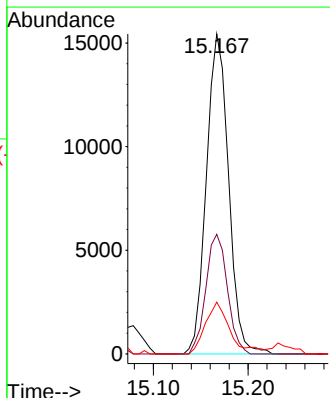
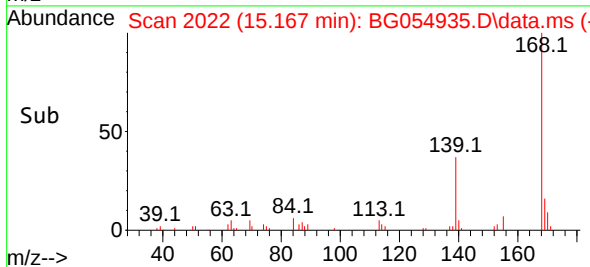
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022

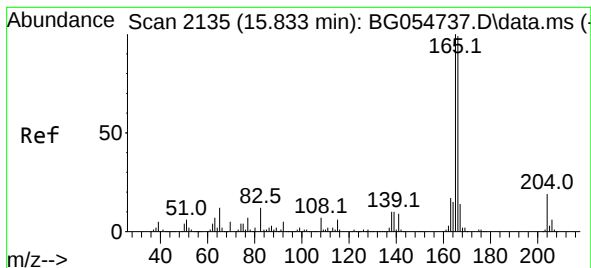


#55
Dibenzofuran
Concen: 2.380 ng
RT: 15.167 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56



Tgt Ion:168 Resp: 25104
Ion Ratio Lower Upper
168 100
139 37.4 30.2 45.2
169 16.2 11.3 16.9





#58

Fluorene

Concen: 5.145 ng

RT: 15.813 min Scan# 2135

Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035

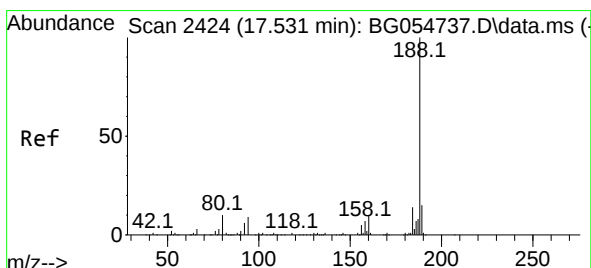
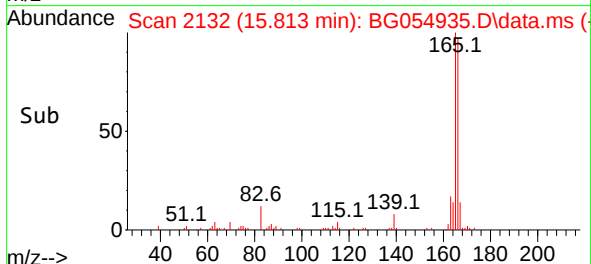
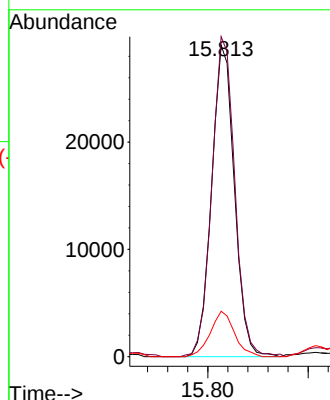
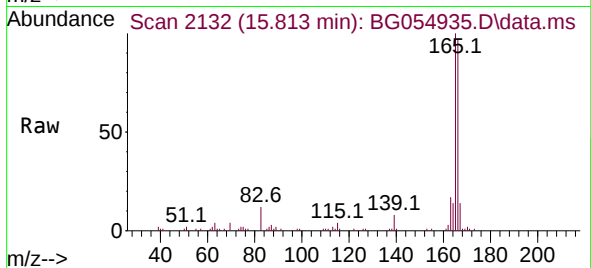
Tgt Ion:166 Resp: 45711
 Ion Ratio Lower Upper
 166 100
 165 102.8 80.8 121.2
 167 14.6 11.4 17.0

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

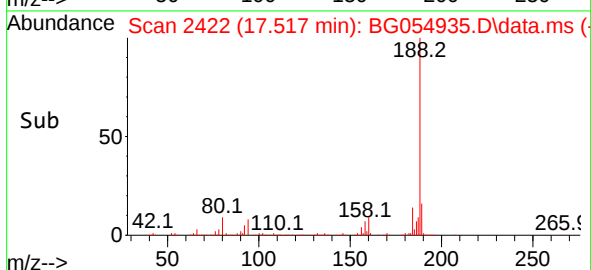
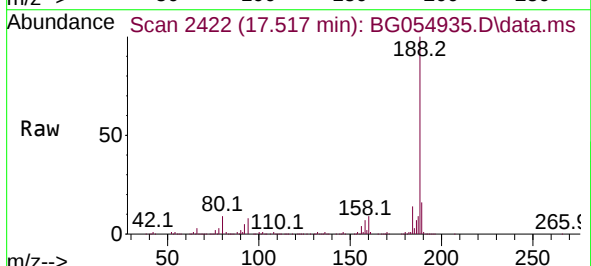
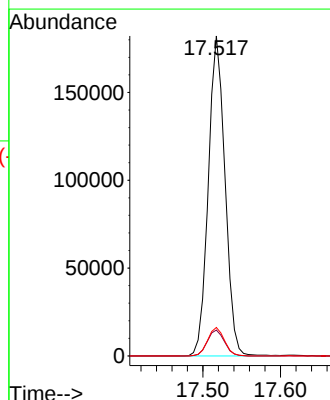
RT: 17.517 min Scan# 2422

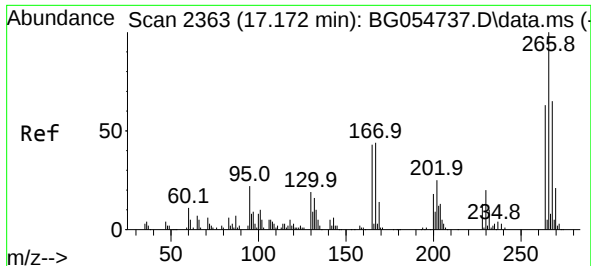
Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

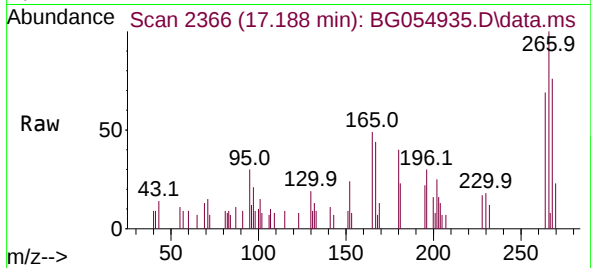
Tgt Ion:188 Resp: 272697
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.0 10.4
 80 8.9 7.9 11.9





#70
Pentachlorophenol
Concen: 6.046 ng m
RT: 17.188 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

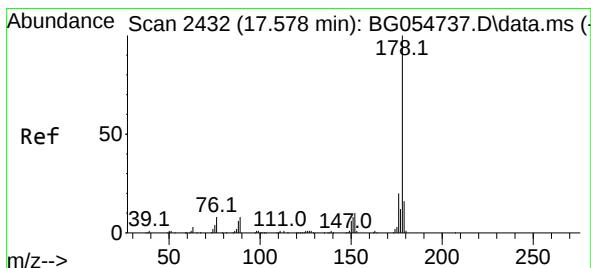
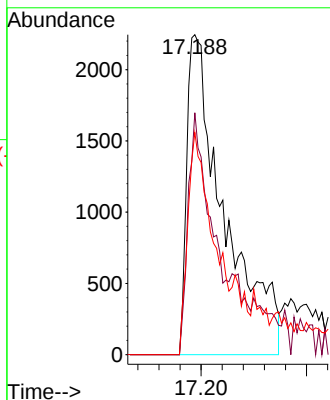
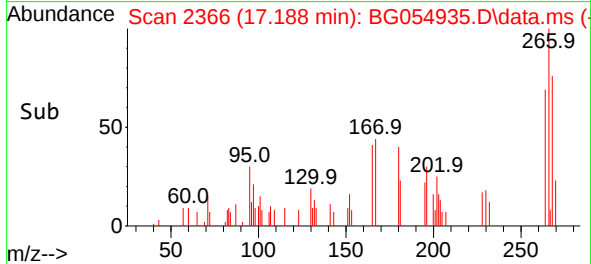
Instrument :
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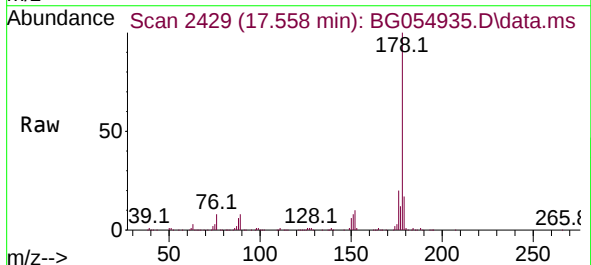
Tgt Ion:266 Resp: 11052
Ion Ratio Lower Upper
266 100
268 75.6 51.2 76.8
264 69.4 49.4 74.0

Manual Integrations
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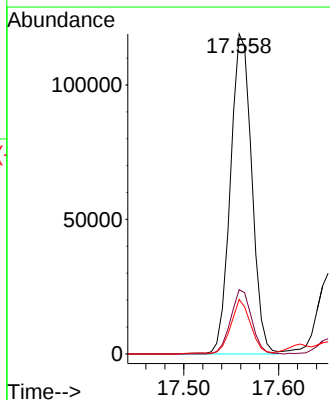
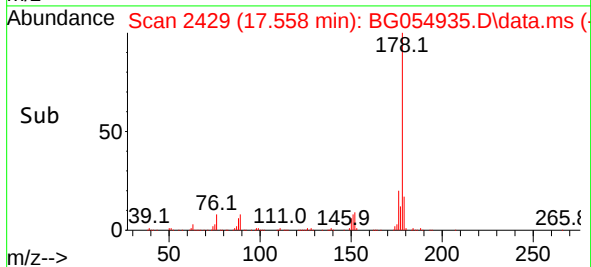
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022

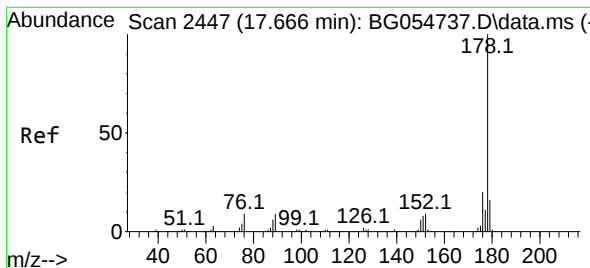


#71
Phenanthrene
Concen: 12.785 ng
RT: 17.558 min Scan# 2429
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56



Tgt Ion:178 Resp: 185728
Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 17.0 12.8 19.2





#72

Anthracene

Concen: 3.360 ng

RT: 17.652 min Scan# 2445

Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

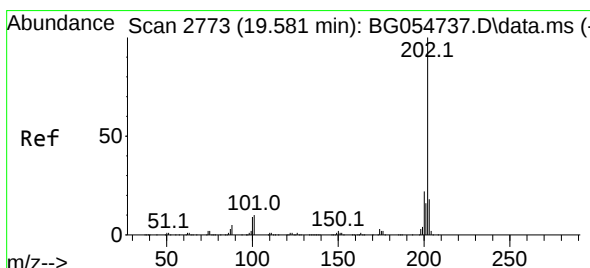
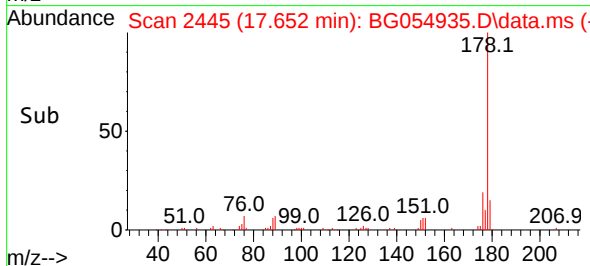
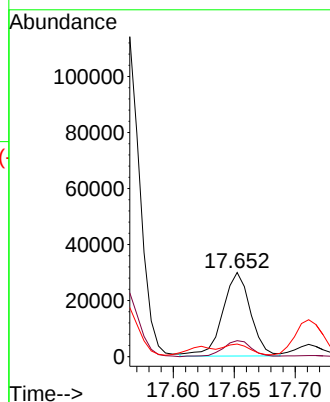
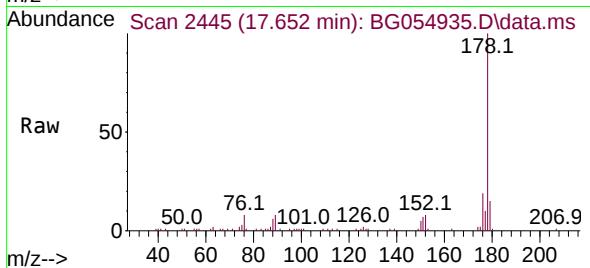
PSC-124035

Tgt Ion:178	Resp:	47449
Ion Ratio	Lower	Upper
178	100	
176	18.9	16.2 24.4
179	15.0	12.9 19.3

Manual Integrations

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Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022



#75

Fluoranthene

Concen: 19.779 ng

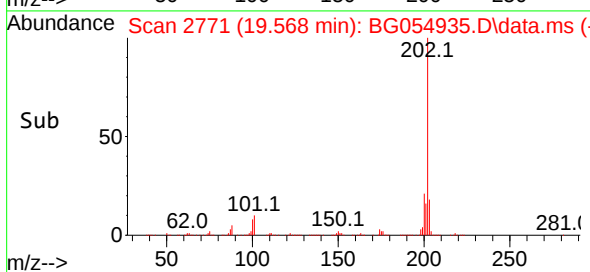
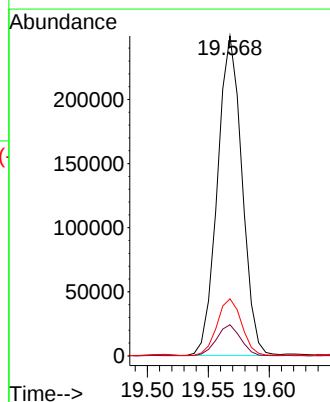
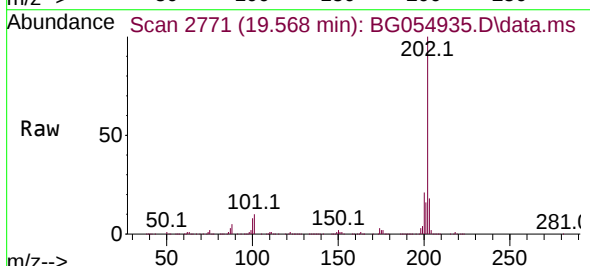
RT: 19.568 min Scan# 2771

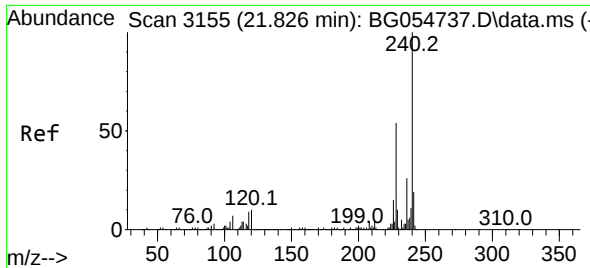
Delta R.T. -0.012 min

Lab File: BG054935.D

Acq: 13 Sep 2022 23:56

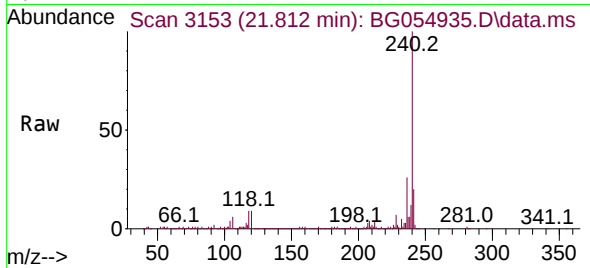
Tgt Ion:202	Resp:	349530
Ion Ratio	Lower	Upper
202	100	
101	9.8	0.0 31.4
203	17.8	0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.812 min Scan# 3155
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

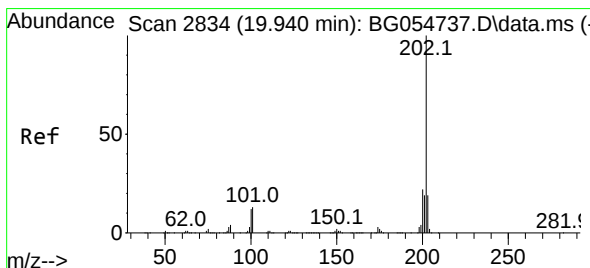
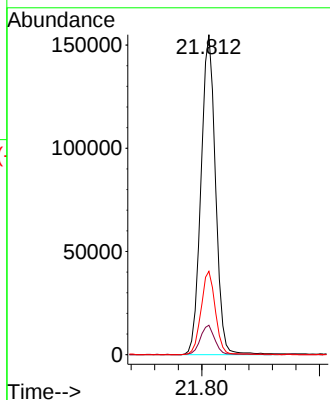
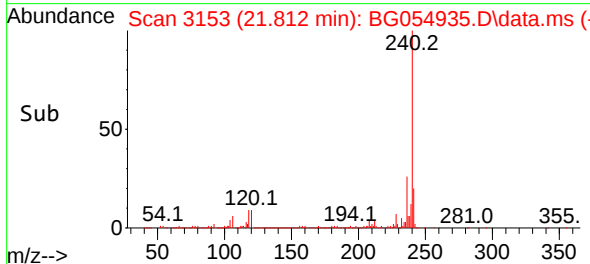
Instrument :
BNA_G
ClientSampleId :
PSC-124035



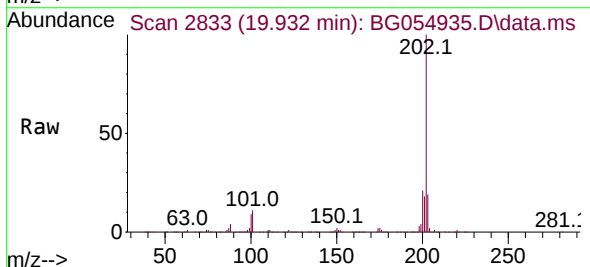
Tgt Ion:240 Resp: 265462
Ion Ratio Lower Upper
240 100
120 9.2 8.2 12.4
236 26.0 21.2 31.8

Manual Integrations
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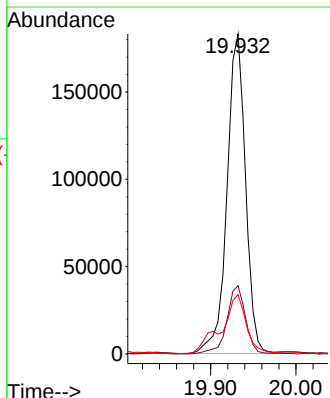
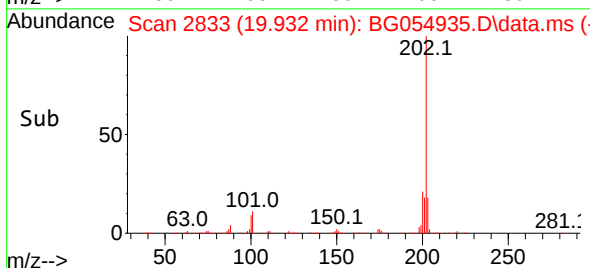
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022

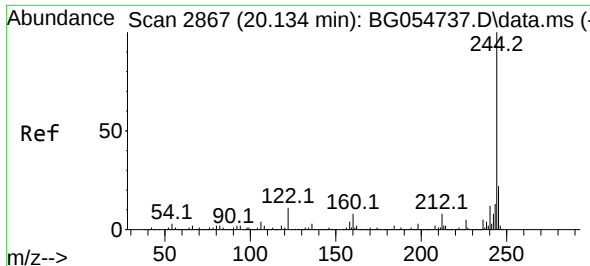


#78
Pyrene
Concen: 14.899 ng
RT: 19.932 min Scan# 2833
Delta R.T. -0.006 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56



Tgt Ion:202 Resp: 275786
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.5 14.6 21.8





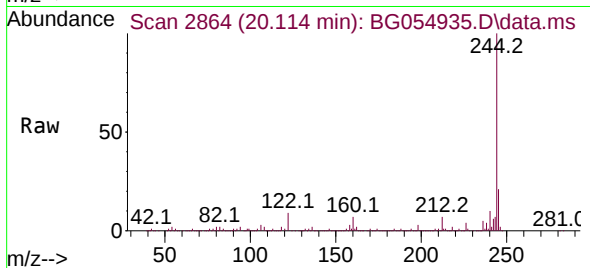
#79
 Terphenyl-d14
 Concen: 40.325 ng
 RT: 20.114 min Scan# 2867
 Delta R.T. -0.012 min
 Lab File: BG054935.D
 Acq: 13 Sep 2022 23:56

Instrument :

BNA_G

ClientSampleId :

PSC-124035

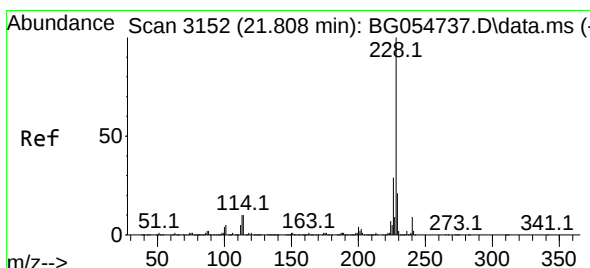
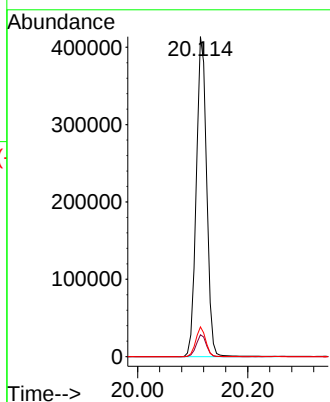
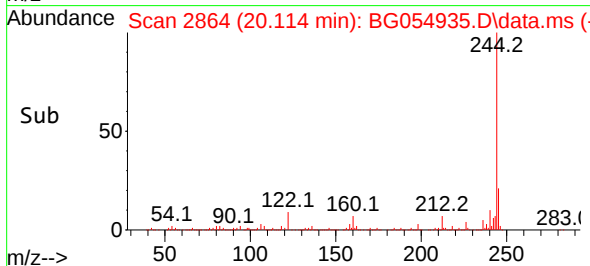


Tgt Ion:244 Resp: 540279
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.2 9.2
 122 9.3 9.0 13.6

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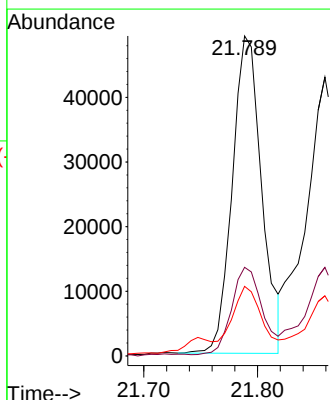
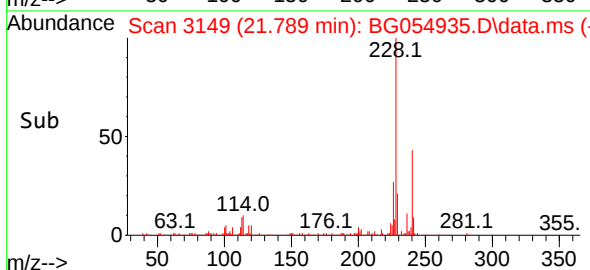
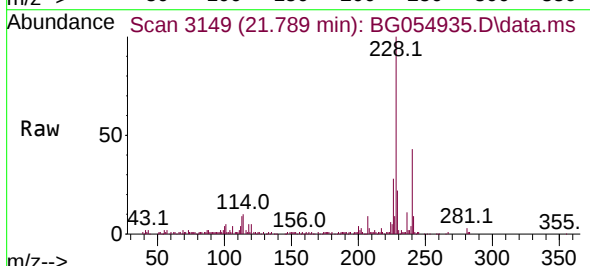
APPROVED

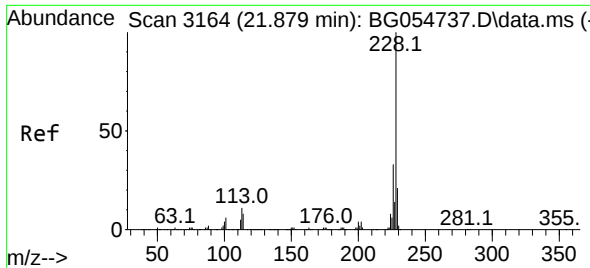
Reviewed By :Christian Giraldo 09/14/2022
 Supervised By :Jagrut Upadhyay 09/14/2022



#81
 Benzo(a)anthracene
 Concen: 4.908 ng
 RT: 21.789 min Scan# 3149
 Delta R.T. -0.018 min
 Lab File: BG054935.D
 Acq: 13 Sep 2022 23:56

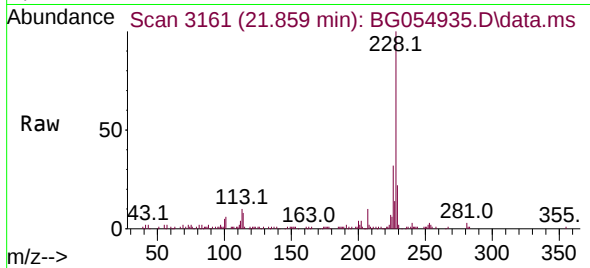
Tgt Ion:228 Resp: 88337
 Ion Ratio Lower Upper
 228 100
 226 27.7 23.4 35.2
 229 21.7 16.5 24.7





#83
Chrysene
Concen: 4.977 ng
RT: 21.859 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

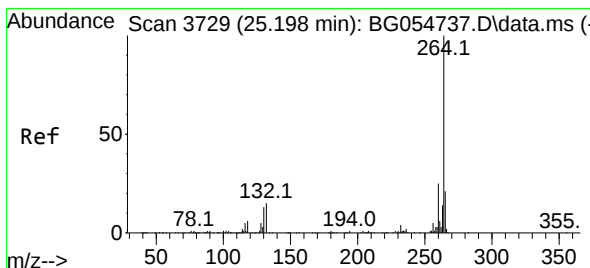
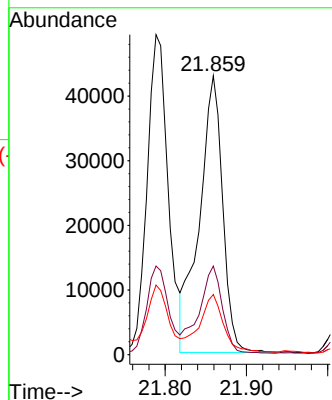
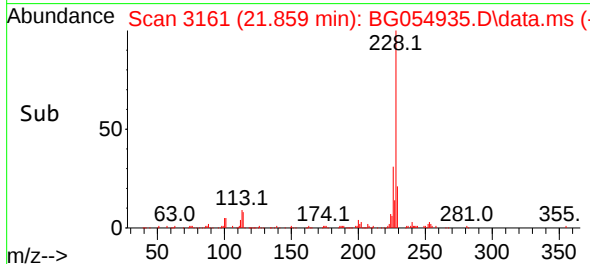
Instrument :
BNA_G
ClientSampleId :
PSC-124035



Tgt Ion:228 Resp: 85660
Ion Ratio Lower Upper
228 100
226 31.8 25.5 38.3
229 21.6 16.8 25.2

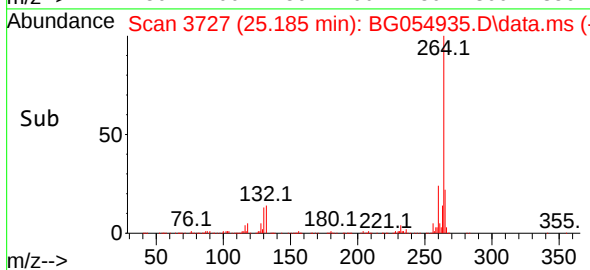
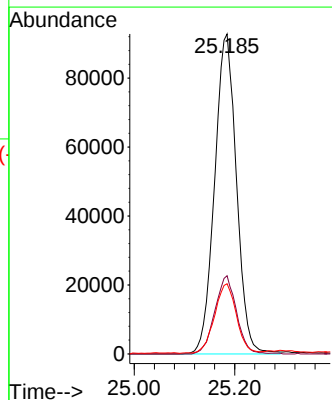
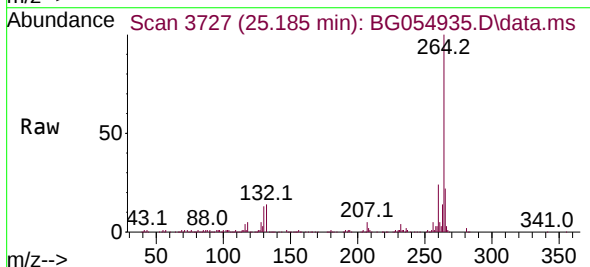
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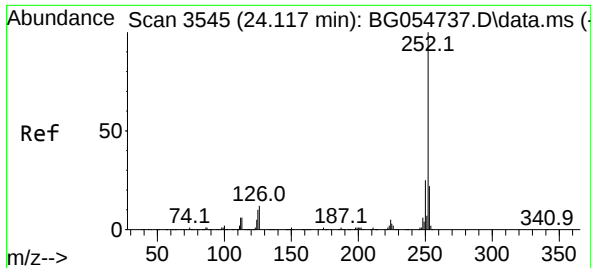
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.185 min Scan# 3727
Delta R.T. -0.018 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

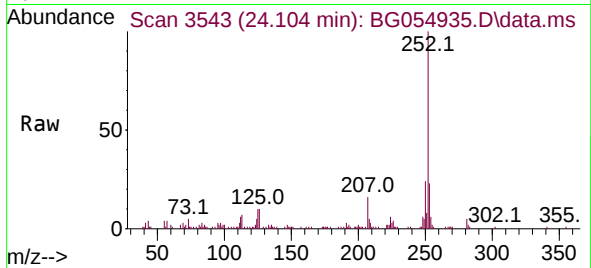
Tgt Ion:264 Resp: 280231
Ion Ratio Lower Upper
264 100
260 24.4 19.9 29.9
265 21.9 16.9 25.3





#88
Benzo(b)fluoranthene
Concen: 4.923 ng
RT: 24.104 min Scan# 3698
Delta R.T. -0.018 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

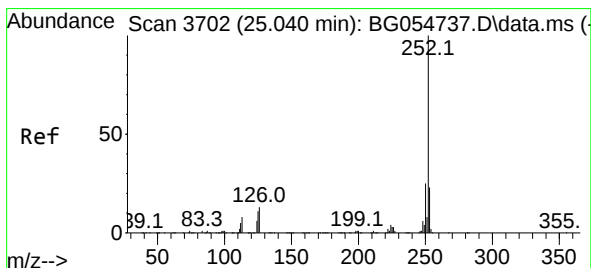
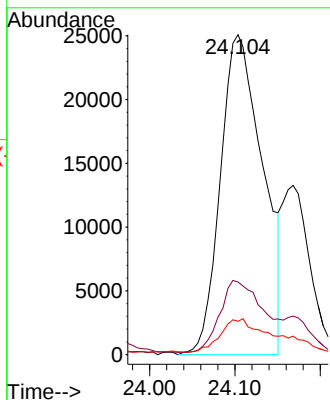
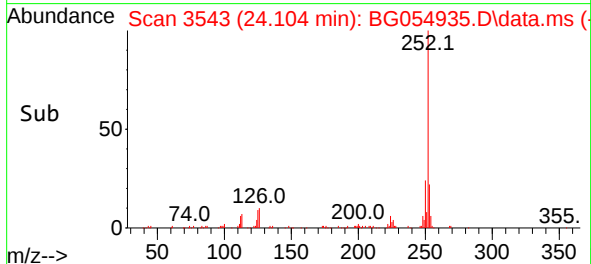
Instrument :
BNA_G
ClientSampleId :
PSC-124035



Tgt Ion:252 Resp: 86542
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 10.4 8.1 12.1

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Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022



#90
Benzo(a)pyrene
Concen: 3.497 ng
RT: 25.014 min Scan# 3698
Delta R.T. -0.036 min
Lab File: BG054935.D
Acq: 13 Sep 2022 23:56

Tgt Ion:252 Resp: 52528
Ion Ratio Lower Upper
252 100
253 22.4 18.3 27.5
125 11.3 8.8 13.2

