

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091322\
 Data File : BG054934.D
 Acq On : 13 Sep 2022 23:14
 Operator : CG/JU
 Sample : N4572-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 2

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124019

Manual Integrations
 APPROVED

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

Quant Time: Sep 14 03:24:26 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	8.133	152	75514	40.000	ng	-0.01
21) Naphthalene-d8	10.959	136	300340	40.000	ng	-0.01
39) Acenaphthene-d10	14.772	164	206408	40.000	ng	0.00
64) Phenanthrene-d10	17.522	188	476788	40.000	ng	0.00
76) Chrysene-d12	21.811	240	478590	40.000	ng	-0.01
86) Perylene-d12	25.183	264	514767	40.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.677	112	205194	94.636	ng	0.00
7) Phenol-d6	7.292	99	265208	89.438	ng	0.00
23) Nitrobenzene-d5	9.308	82	156025	54.543	ng	-0.01
42) 2,4,6-Tribromophenol	16.258	330	132889	103.047	ng	-0.01
45) 2-Fluorobiphenyl	13.391	172	380561	55.423	ng	-0.01
79) Terphenyl-d14	20.118	244	606786	50.243	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.563	178	36647	2.886	ng	98
72) Anthracene	17.651	178	30339	2.457	ng	99
75) Fluoranthene	19.566	202	145642	9.427	ng	98
78) Pyrene	19.930	202	164955	9.886	ng	98
81) Benzo(a)anthracene	21.793	228	88155	5.433	ng	99
83) Chrysene	21.858	228	101141m	6.520	ng	
87) Indeno(1,2,3-cd)pyrene	29.061	276	45837	2.346	ng	# 91
88) Benzo(b)fluoranthene	24.102	252	120046	7.435	ng	98
89) Benzo(k)fluoranthene	24.173	252	48518m	2.986	ng	
90) Benzo(a)pyrene	25.019	252	86947	6.303	ng	98
92) Benzo(g,h,i)perylene	30.283	276	42386	2.636	ng	# 95

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

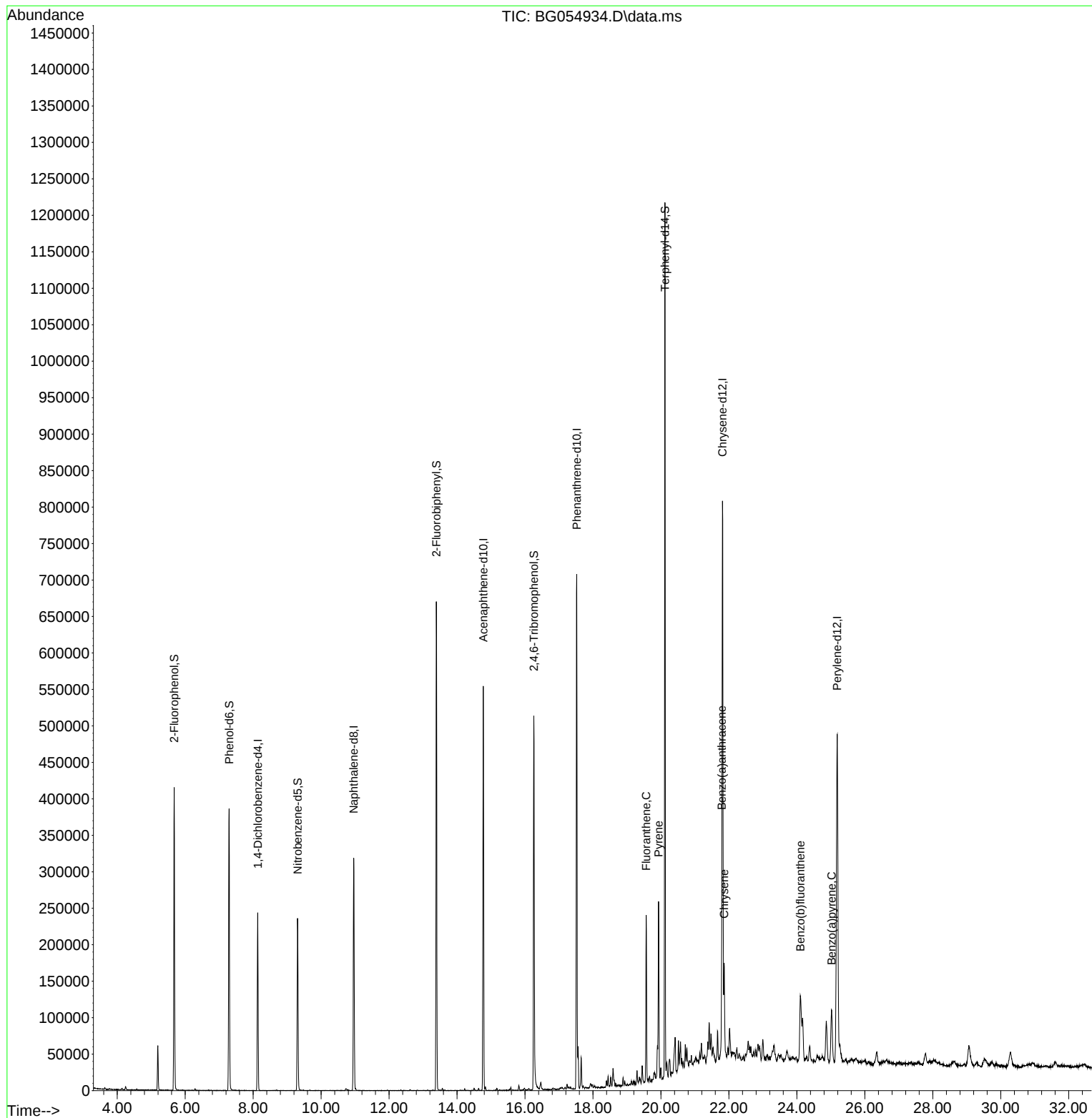
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091322\
Data File : BG054934.D
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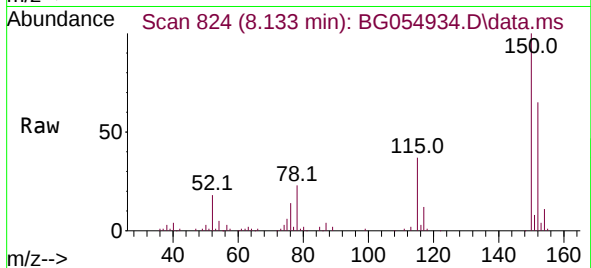
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 8.133 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

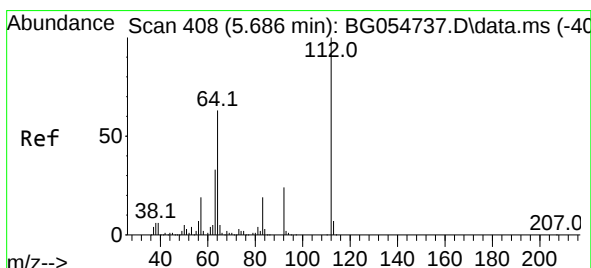
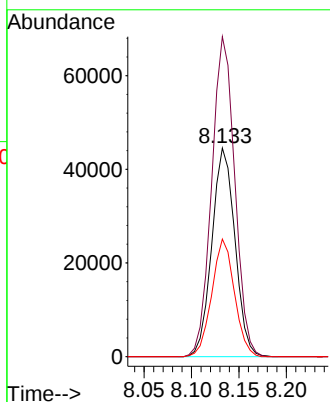
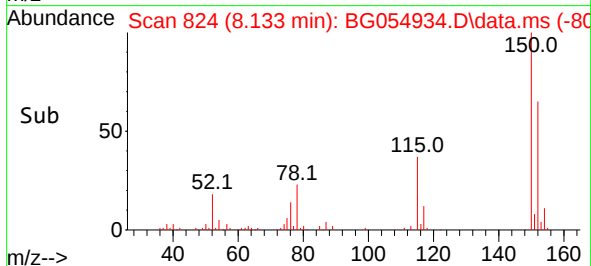
Instrument :
BNA_G
ClientSampleId :
PSC-124019



Tgt Ion:152 Resp: 75514
Ion Ratio Lower Upper
152 100
150 153.4 125.2 187.8
115 56.4 47.9 71.9

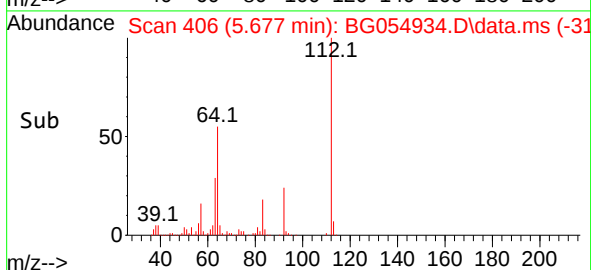
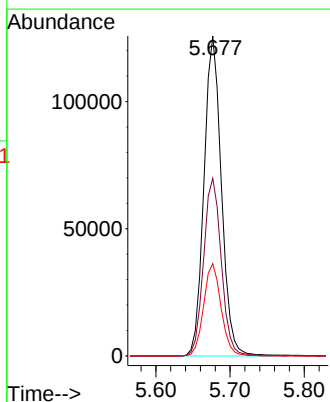
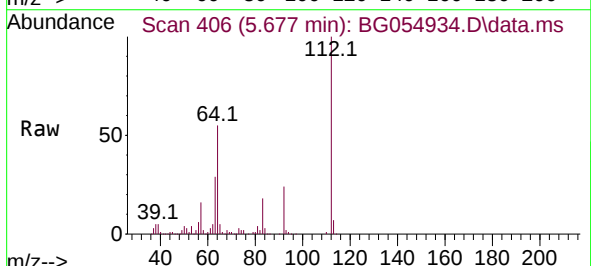
Manual Integrations
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#5
2-Fluorophenol
Concen: 94.636 ng
RT: 5.677 min Scan# 406
Delta R.T. -0.008 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

Tgt Ion:112 Resp: 205194
Ion Ratio Lower Upper
112 100
64 55.5 49.3 73.9
63 28.8 26.3 39.5





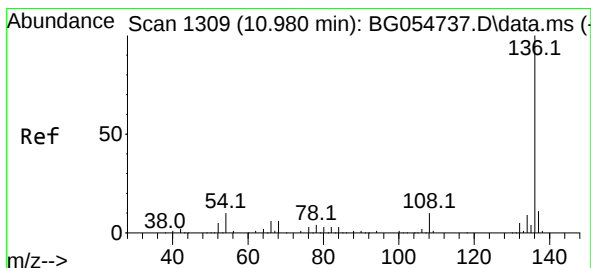
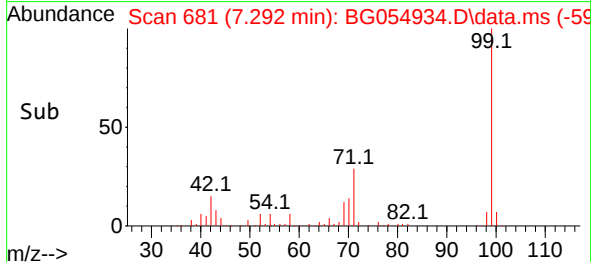
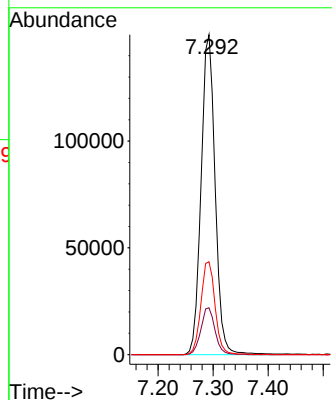
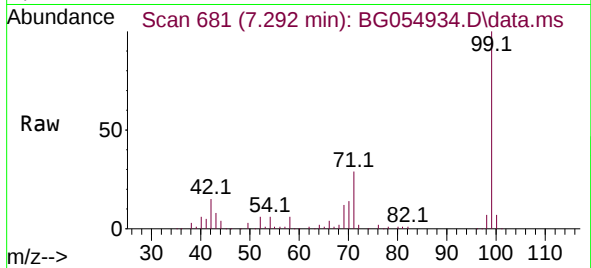
#7
Phenol-d6
Concen: 89.438 ng
RT: 7.292 min Scan# 681
Delta R.T. -0.008 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

Instrument :
BNA_G
ClientSampleId :
PSC-124019

Tgt Ion: 99 Resp: 265208
Ion Ratio Lower Upper
99 100
42 14.6 14.6 22.0
71 29.0 24.6 37.0

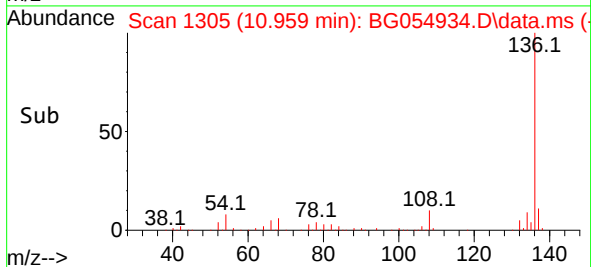
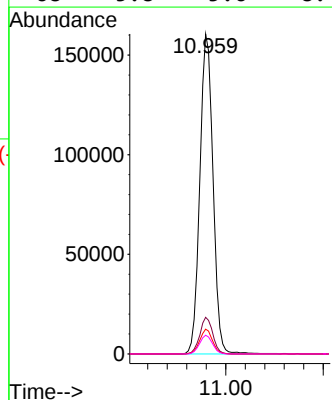
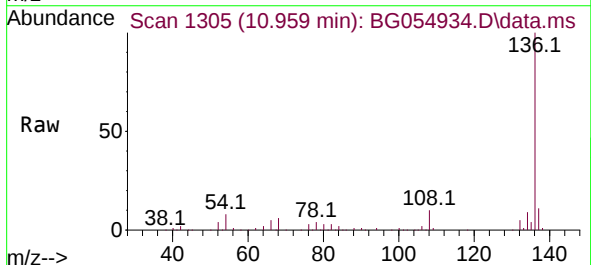
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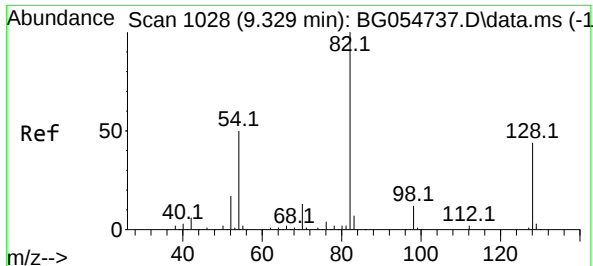
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022



#21
Naphthalene-d8
Concen: 40.000 ng
RT: 10.959 min Scan# 1305
Delta R.T. -0.014 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

Tgt Ion:136 Resp: 300340
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 7.7 7.7 11.5
68 5.8 5.6 8.4





#23

Nitrobenzene-d5

Concen: 54.543 ng

RT: 9.308 min Scan# 1024

Delta R.T. -0.014 min

Lab File: BG054934.D

Acq: 13 Sep 2022 23:14

Instrument :

BNA_G

ClientSampleId :

PSC-124019

Tgt Ion: 82 Resp: 156025

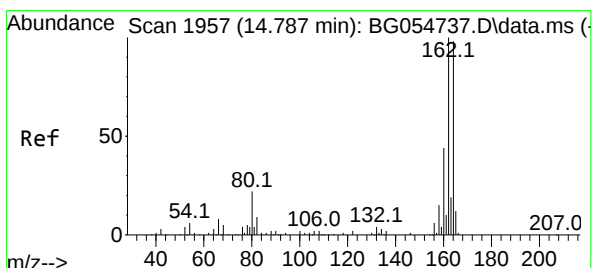
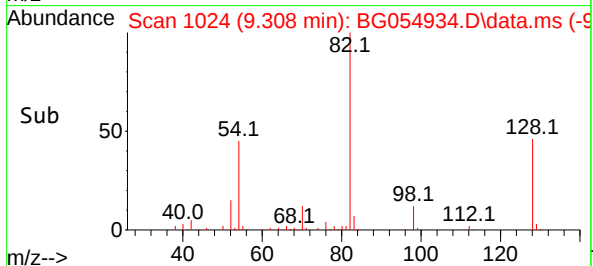
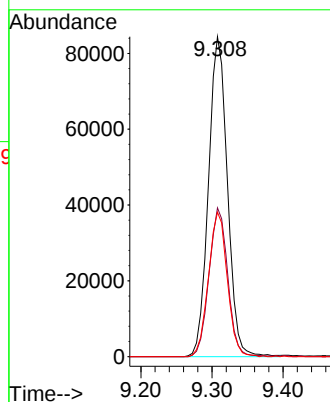
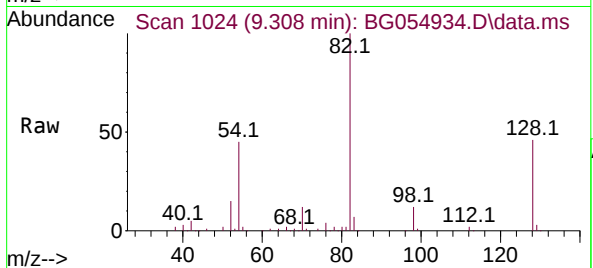
Ion	Ratio	Lower	Upper
82	100		
128	46.5	32.2	48.2
54	45.1	41.4	62.0

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#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 14.772 min Scan# 1954

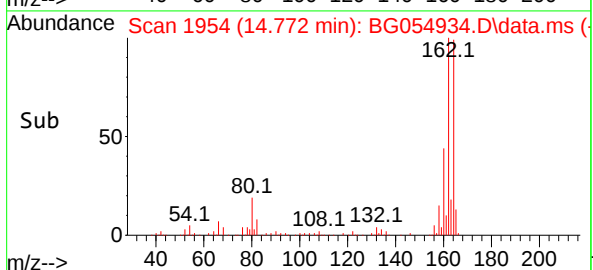
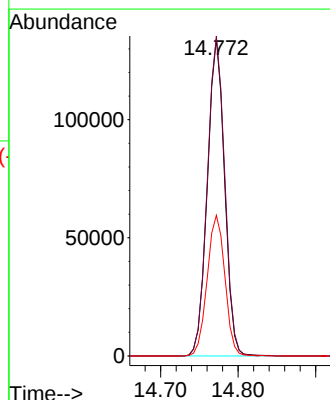
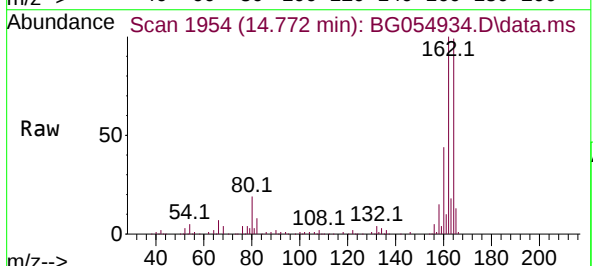
Delta R.T. -0.008 min

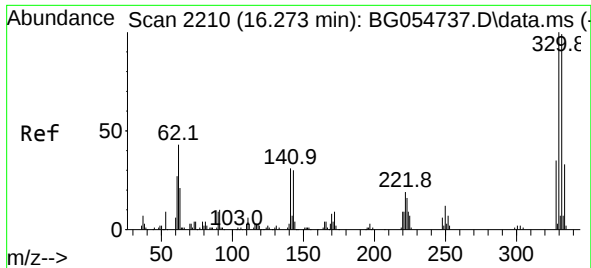
Lab File: BG054934.D

Acq: 13 Sep 2022 23:14

Tgt Ion:164 Resp: 206408

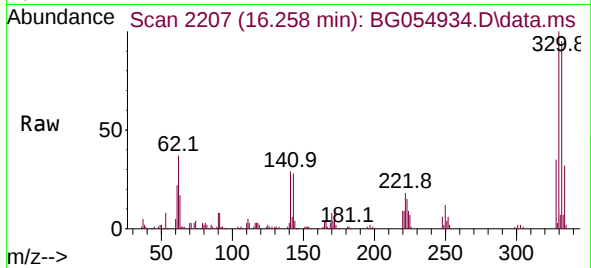
Ion	Ratio	Lower	Upper
164	100		
162	101.0	83.0	124.4
160	44.3	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 103.047 ng
RT: 16.258 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

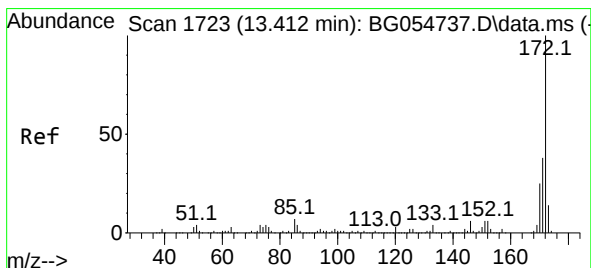
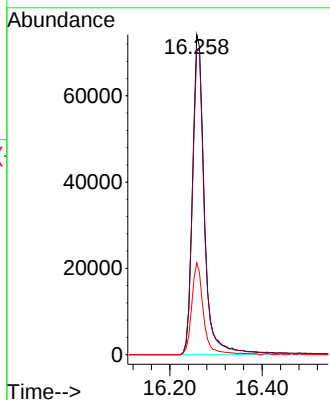
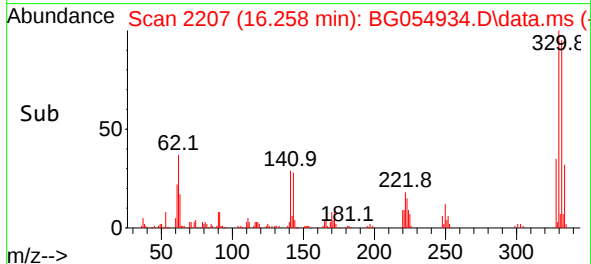
Instrument :
BNA_G
ClientSampleId :
PSC-124019



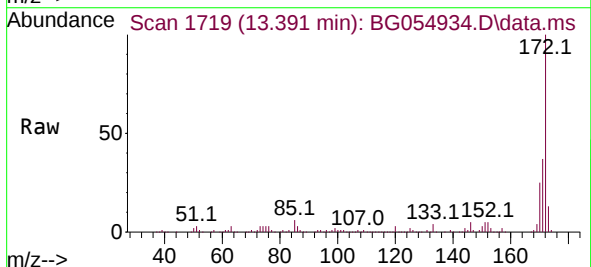
Tgt Ion:330 Resp: 132889
Ion Ratio Lower Upper
330 100
332 96.7 79.8 119.6
141 27.9 26.8 40.2

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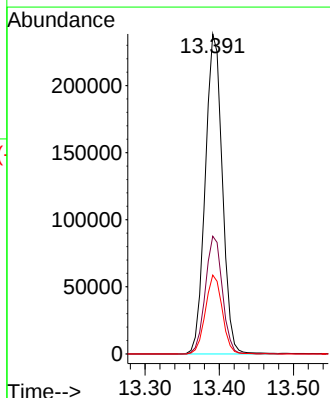
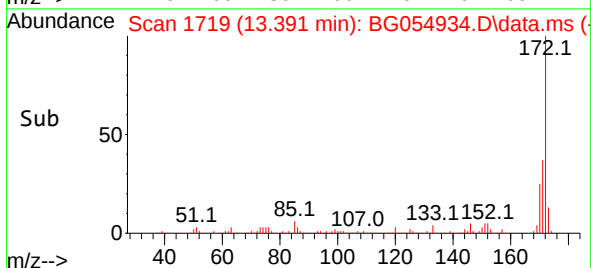
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022

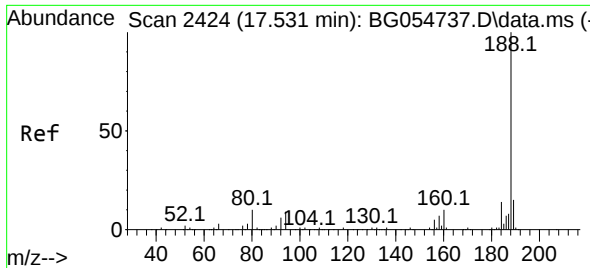


#45
2-Fluorobiphenyl
Concen: 55.423 ng
RT: 13.391 min Scan# 1719
Delta R.T. -0.014 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14



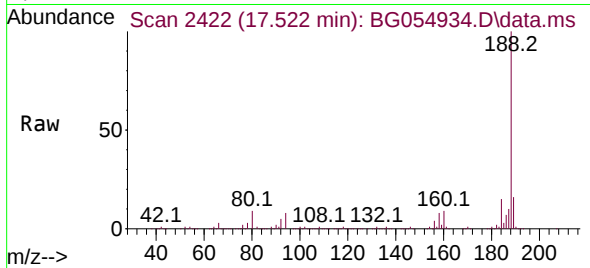
Tgt Ion:172 Resp: 380561
Ion Ratio Lower Upper
172 100
171 36.8 31.2 46.8
170 24.7 20.6 30.8





#64
Phenanthrene-d10
Concen: 40.000 ng
RT: 17.522 min Scan# 2422
Delta R.T. -0.008 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

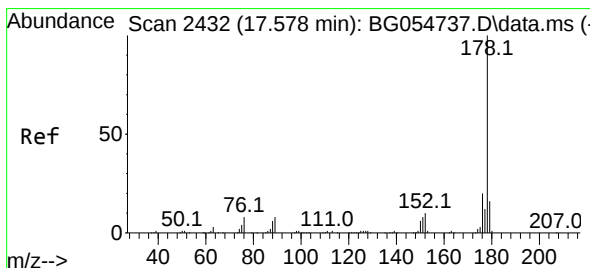
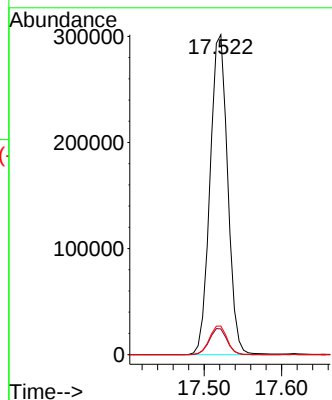
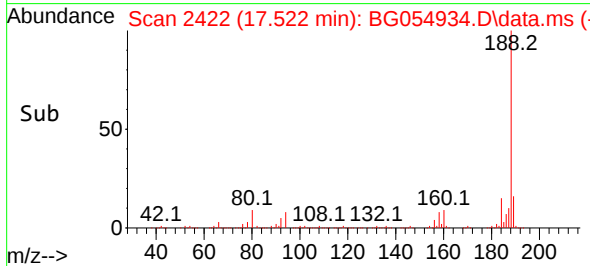
Instrument :
BNA_G
ClientSampleId :
PSC-124019



Tgt Ion:188 Resp: 476788
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.4
80 8.9 7.9 11.9

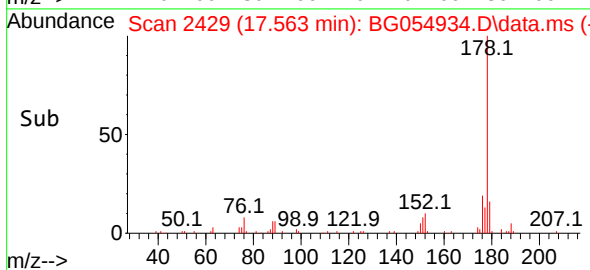
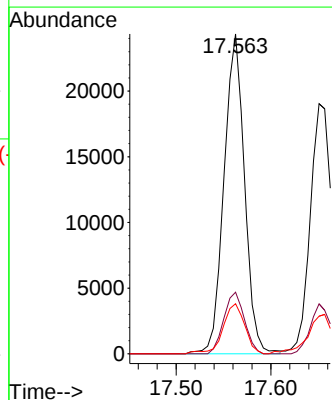
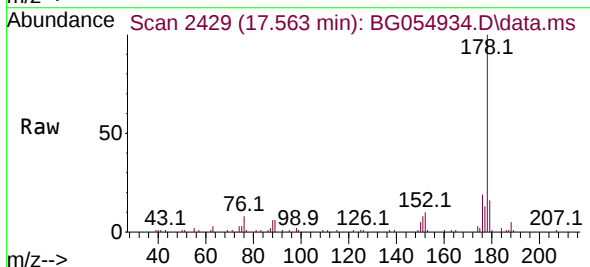
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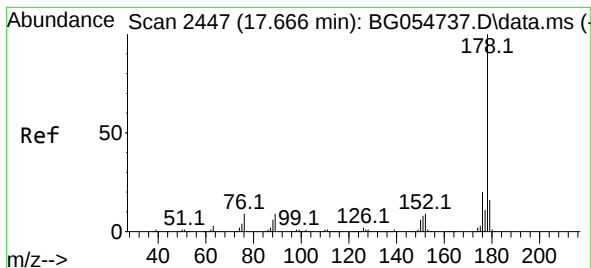
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022



#71
Phenanthrene
Concen: 2.886 ng
RT: 17.563 min Scan# 2429
Delta R.T. -0.008 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

Tgt Ion:178 Resp: 36647
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.7 12.8 19.2





#72

Anthracene

Concen: 2.457 ng

RT: 17.651 min Scan# 2444

Delta R.T. -0.014 min

Lab File: BG054934.D

Acq: 13 Sep 2022 23:14

Instrument :

BNA_G

ClientSampleId :

PSC-124019

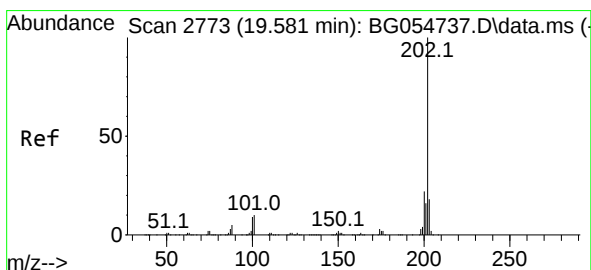
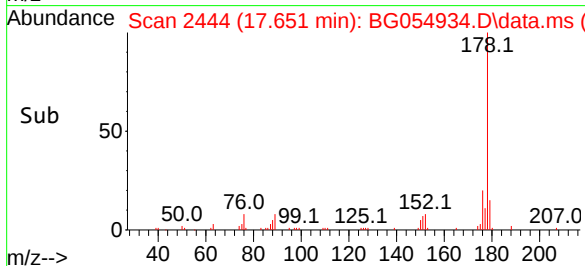
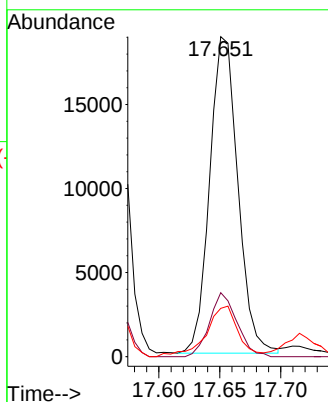
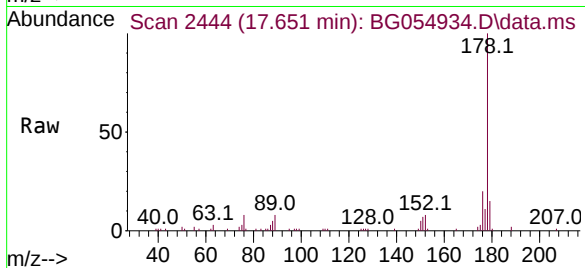
Tgt Ion:178	Resp:	30339
Ion Ratio	Lower	Upper
178	100	
176	20.0	16.2 24.4
179	15.1	12.9 19.3

Manual Integrations

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#75

Fluoranthene

Concen: 9.427 ng

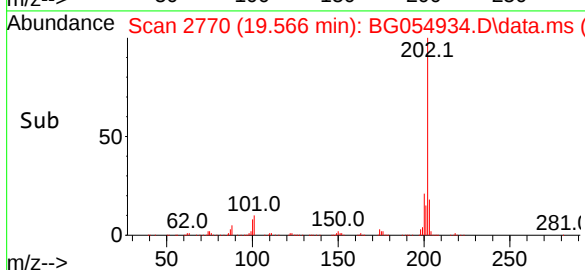
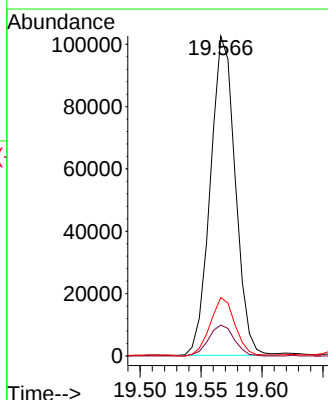
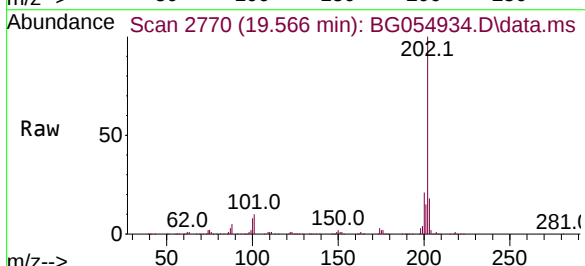
RT: 19.566 min Scan# 2770

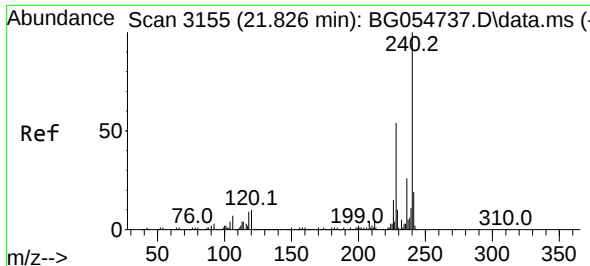
Delta R.T. -0.014 min

Lab File: BG054934.D

Acq: 13 Sep 2022 23:14

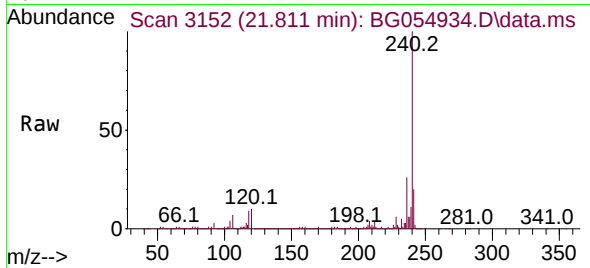
Tgt Ion:202	Resp:	145642
Ion Ratio	Lower	Upper
202	100	
101	9.6	0.0 31.4
203	18.3	0.0 38.6





#76
Chrysene-d12
Concen: 40.000 ng
RT: 21.811 min Scan# 3152
Delta R.T. -0.014 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

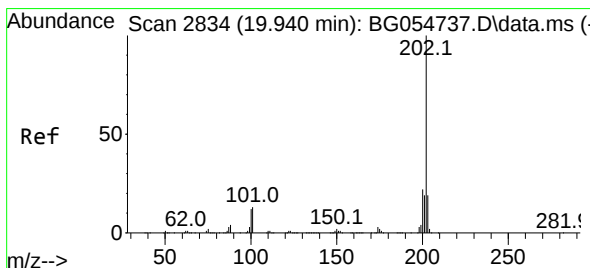
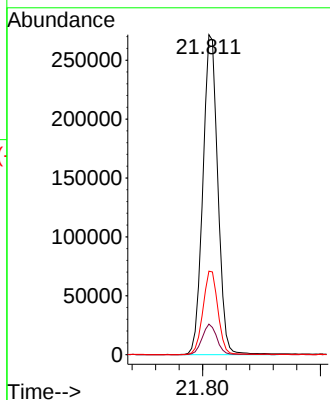
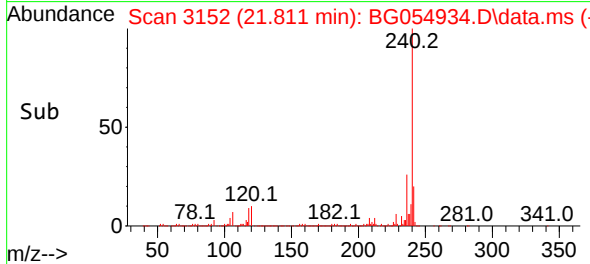
Instrument :
BNA_G
ClientSampleId :
PSC-124019



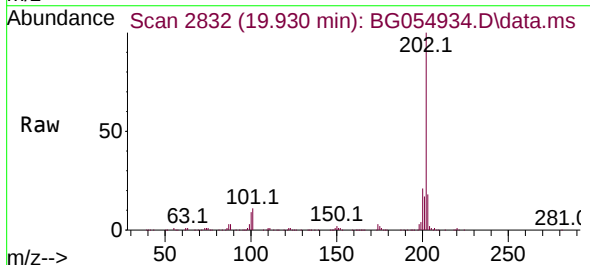
Tgt Ion:240 Resp: 478590
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.4
236 26.1 21.2 31.8

Manual Integrations
APPROVED

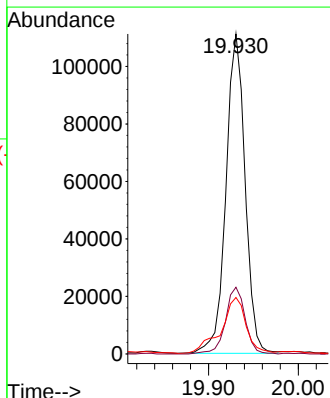
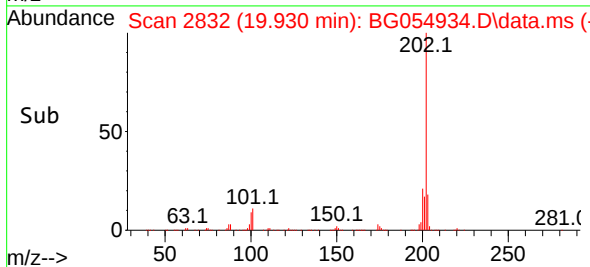
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022

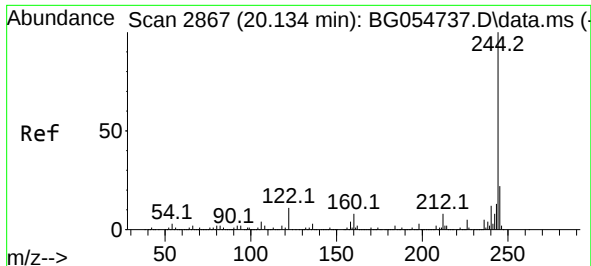


#78
Pyrene
Concen: 9.886 ng
RT: 19.930 min Scan# 2832
Delta R.T. -0.008 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14



Tgt Ion:202 Resp: 164955
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 17.6 14.6 21.8





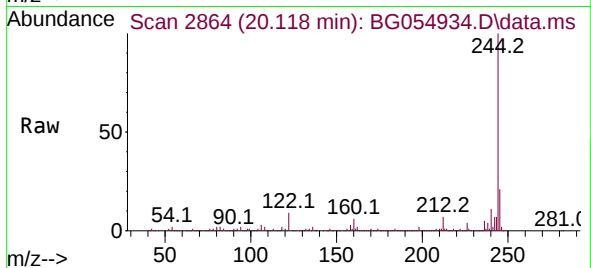
#79
 Terphenyl-d14
 Concen: 50.243 ng
 RT: 20.118 min Scan# 2867
 Delta R.T. -0.008 min
 Lab File: BG054934.D
 Acq: 13 Sep 2022 23:14

Instrument :

BNA_G

ClientSampleId :

PSC-124019

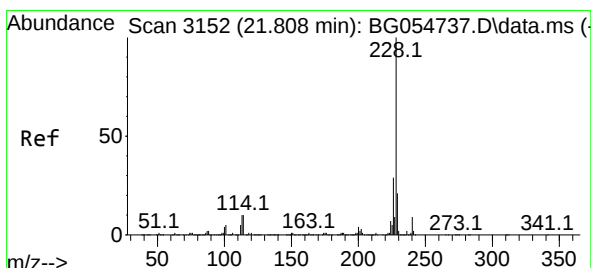
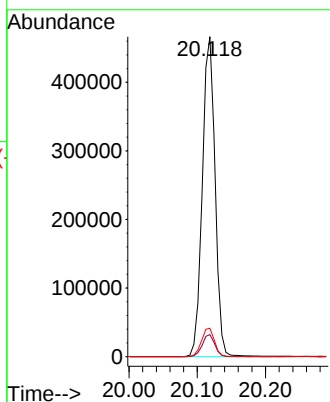
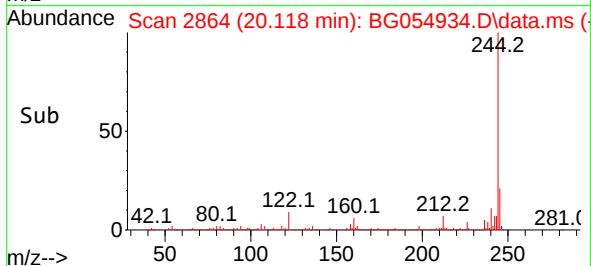


Tgt Ion:244 Resp: 606786
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 8.9 9.0 13.6

Manual Integrations

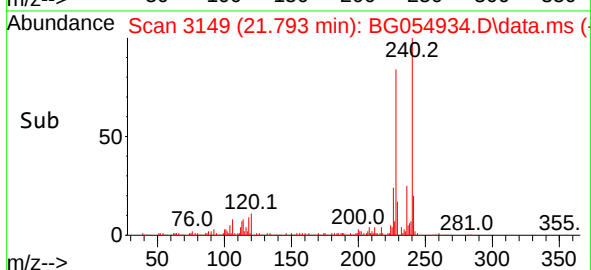
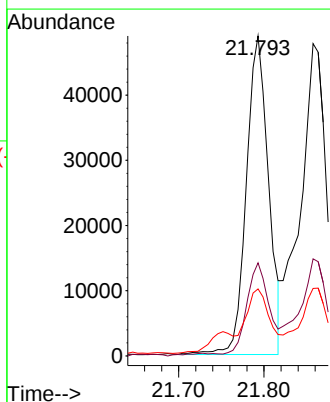
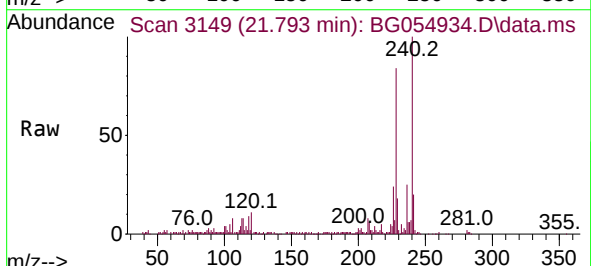
APPROVED

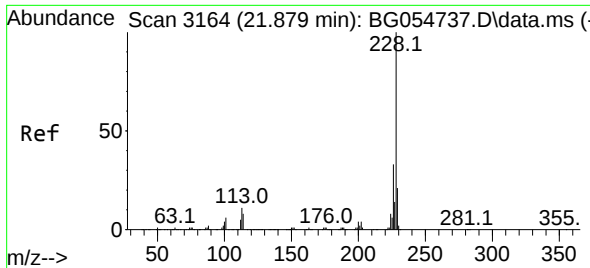
Reviewed By :Christian Giraldo 09/14/2022
 Supervised By :Jagrut Upadhyay 09/14/2022



#81
 Benzo(a)anthracene
 Concen: 5.433 ng
 RT: 21.793 min Scan# 3149
 Delta R.T. -0.014 min
 Lab File: BG054934.D
 Acq: 13 Sep 2022 23:14

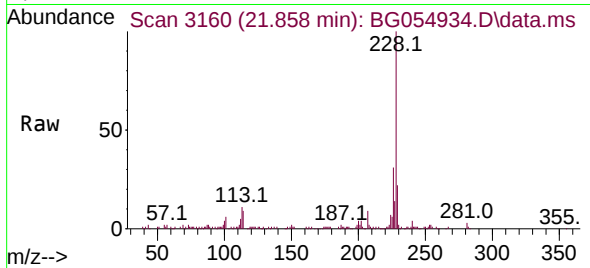
Tgt Ion:228 Resp: 88155
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.4 35.2
 229 20.9 16.5 24.7





#83
Chrysene
Concen: 6.520 ng m
RT: 21.858 min Scan# 3160
Delta R.T. -0.014 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

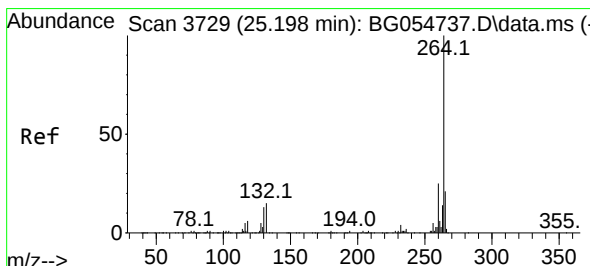
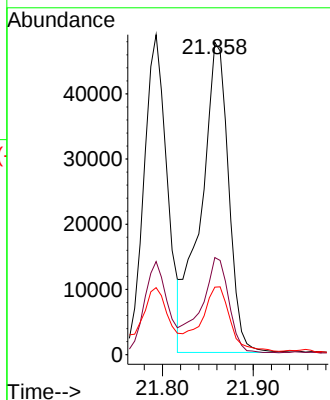
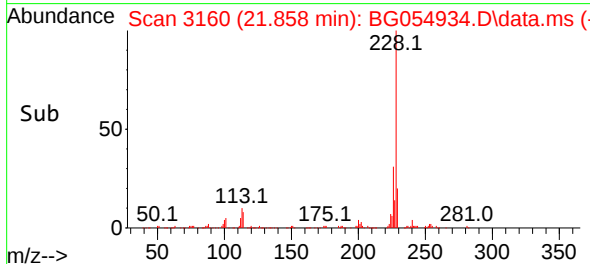
Instrument :
BNA_G
ClientSampleId :
PSC-124019



Tgt Ion:228 Resp: 10114
Ion Ratio Lower Upper
228 100
226 31.1 25.5 38.3
229 21.6 16.8 25.2

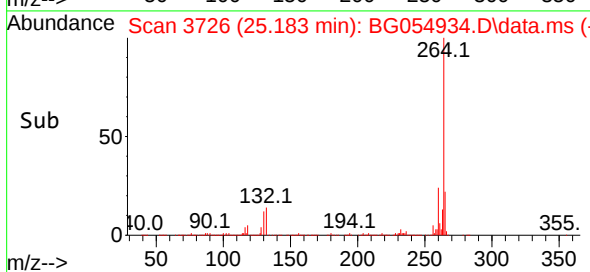
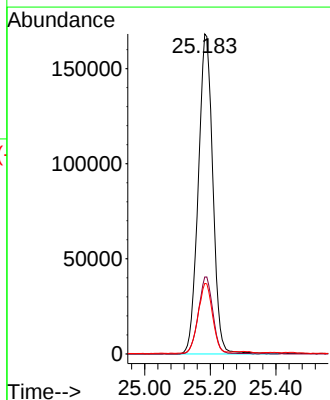
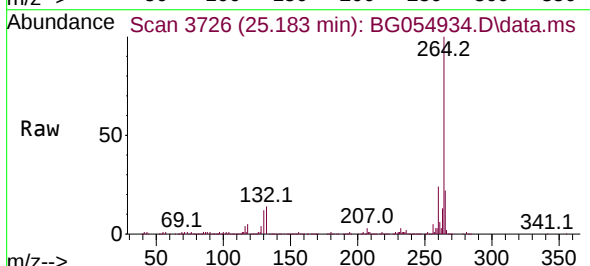
Manual Integrations
APPROVED

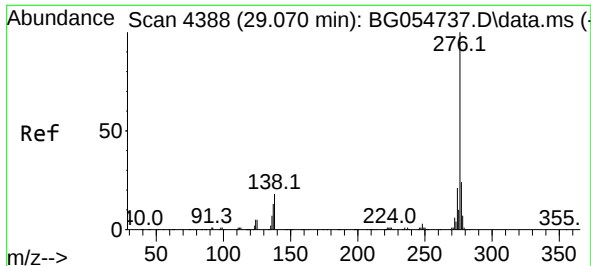
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022



#86
Perylene-d12
Concen: 40.000 ng
RT: 25.183 min Scan# 3726
Delta R.T. -0.019 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

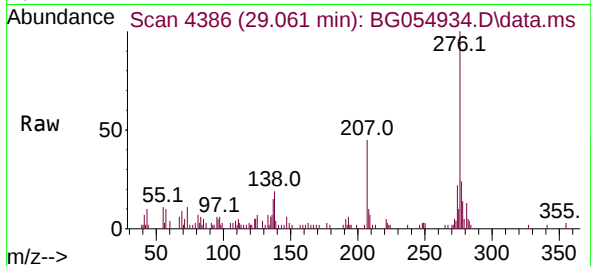
Tgt Ion:264 Resp: 514767
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 22.0 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.346 ng
RT: 29.061 min Scan# 4388
Delta R.T. -0.049 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

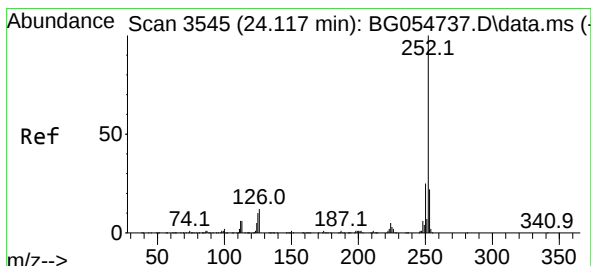
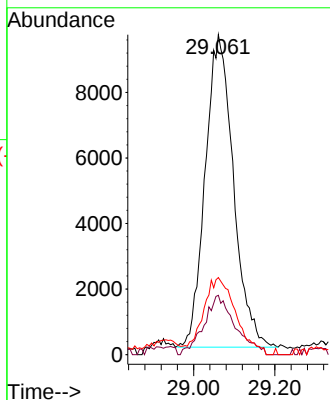
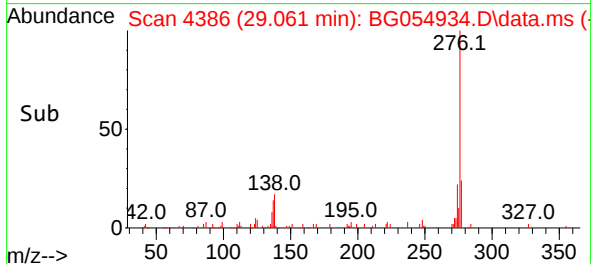
Instrument :
BNA_G
ClientSampleId :
PSC-124019



Tgt Ion:276 Resp: 45832
Ion Ratio Lower Upper
276 100
138 21.0 12.0 18.0
277 28.3 20.2 30.4

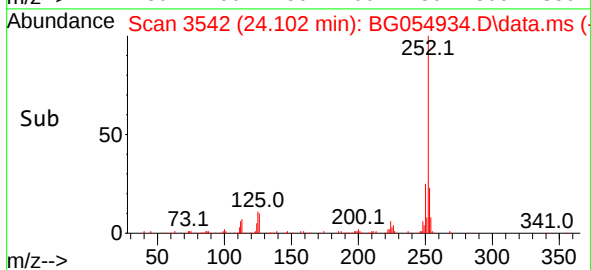
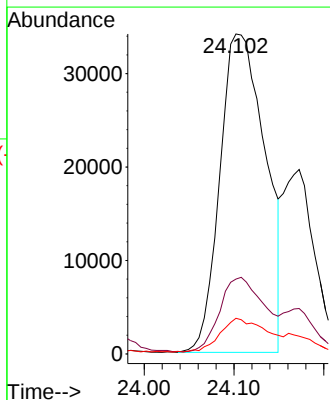
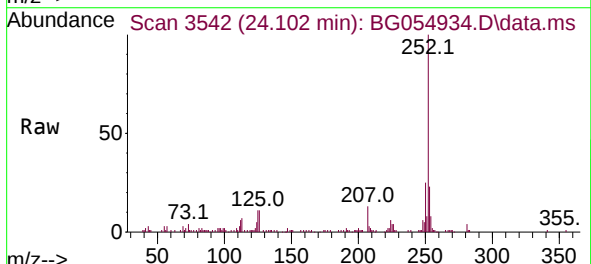
Manual Integrations
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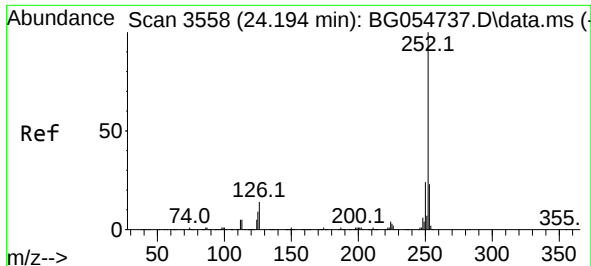
Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022



#88
Benzo(b)fluoranthene
Concen: 7.435 ng
RT: 24.102 min Scan# 3542
Delta R.T. -0.019 min
Lab File: BG054934.D
Acq: 13 Sep 2022 23:14

Tgt Ion:252 Resp: 120046
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 11.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 2.986 ng m

RT: 24.173 min Scan# 3558

Delta R.T. -0.019 min

Lab File: BG054934.D

Acq: 13 Sep 2022 23:14

Instrument :

BNA_G

ClientSampleId :

PSC-124019

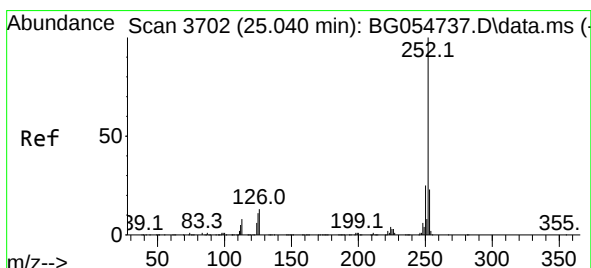
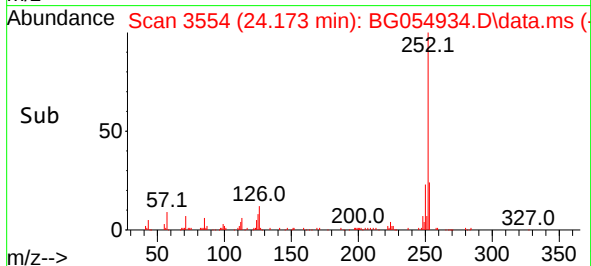
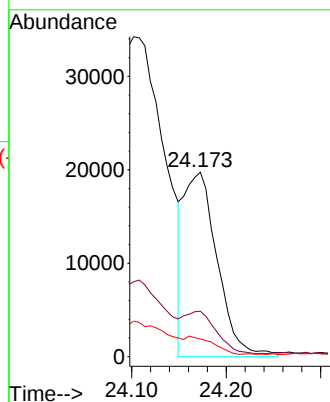
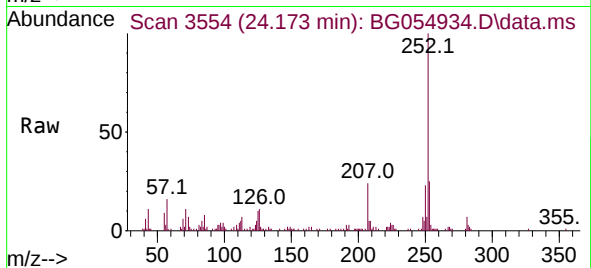
Tgt Ion:	252	Resp:	48518
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.8	26.8
125	9.6	8.2	12.4

Manual Integrations

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Reviewed By :Christian Giraldo 09/14/2022

Supervised By :Jagrut Upadhyay 09/14/2022



#90

Benzo(a)pyrene

Concen: 6.303 ng

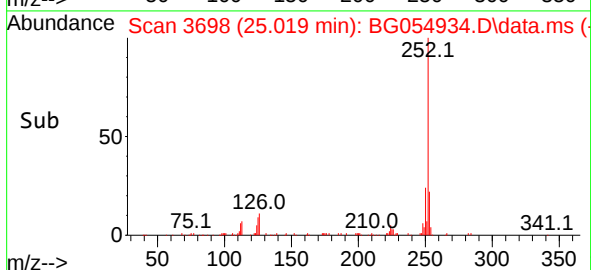
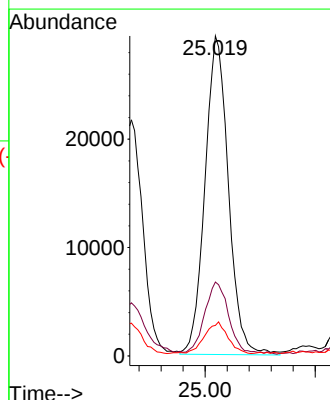
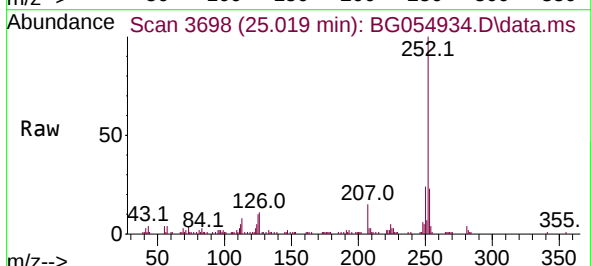
RT: 25.019 min Scan# 3698

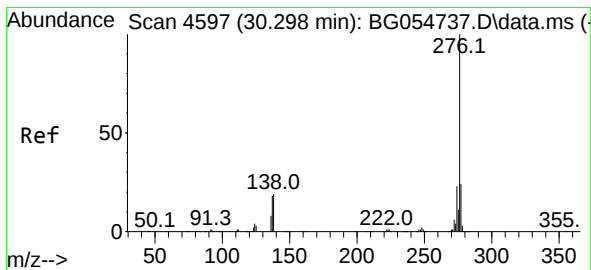
Delta R.T. -0.031 min

Lab File: BG054934.D

Acq: 13 Sep 2022 23:14

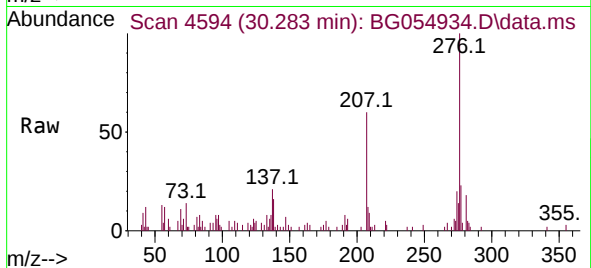
Tgt Ion:	252	Resp:	86947
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.3	27.5
125	9.5	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.636 ng
 RT: 30.283 min Scan# 4594
 Delta R.T. -0.043 min
 Lab File: BG054934.D
 Acq: 13 Sep 2022 23:14

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124019



Tgt Ion: 276 Resp: 42386

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.0
138	16.5	16.6	25.0

Manual Integrations
 APPROVED

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

