

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
 Data File : BG054949.D
 Acq On : 14 Sep 2022 18:46
 Operator : CG/JU
 Sample : N4591-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-091222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/15/2022
 Supervised By : Jagrut Upadhyay 09/15/2022

Quant Time: Sep 15 03:22:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.136	152	53780	20.000	ng	0.00
21) Naphthalene-d8	10.962	136	219627	20.000	ng	# 0.00
39) Acenaphthene-d10	14.775	164	143691	20.000	ng	0.00
64) Phenanthrene-d10	17.519	188	294821	20.000	ng	0.00
76) Chrysene-d12	21.814	240	278585	20.000	ng	0.00
86) Perylene-d12	25.192	264	300798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.674	112	57817	18.721	ng	0.00
7) Phenol-d6	7.289	99	79302	18.776	ng	0.00
23) Nitrobenzene-d5	9.311	82	45519	10.880	ng	0.00
42) 2,4,6-Tribromophenol	16.261	330	29358	16.351	ng	0.00
45) 2-Fluorobiphenyl	13.394	172	123032	12.869	ng	0.00
79) Terphenyl-d14	20.116	244	180869	12.864	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.566	178	91313	5.814	ng	96
75) Fluoranthene	19.569	202	204630	10.711	ng	98
78) Pyrene	19.933	202	211520	10.889	ng	98
81) Benzo(a)anthracene	21.790	228	115589	6.119	ng	98
83) Chrysene	21.861	228	106637m	5.904	ng	
87) Indeno(1,2,3-cd)pyrene	29.076	276	61633	2.699	ng	# 94
88) Benzo(b)fluoranthene	24.111	252	128053	6.786	ng	96
89) Benzo(k)fluoranthene	24.170	252	50729m	2.671	ng	
90) Benzo(a)pyrene	25.027	252	104174	6.462	ng	99
92) Benzo(g,h,i)perylene	30.304	276	68599	3.650	ng	95

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

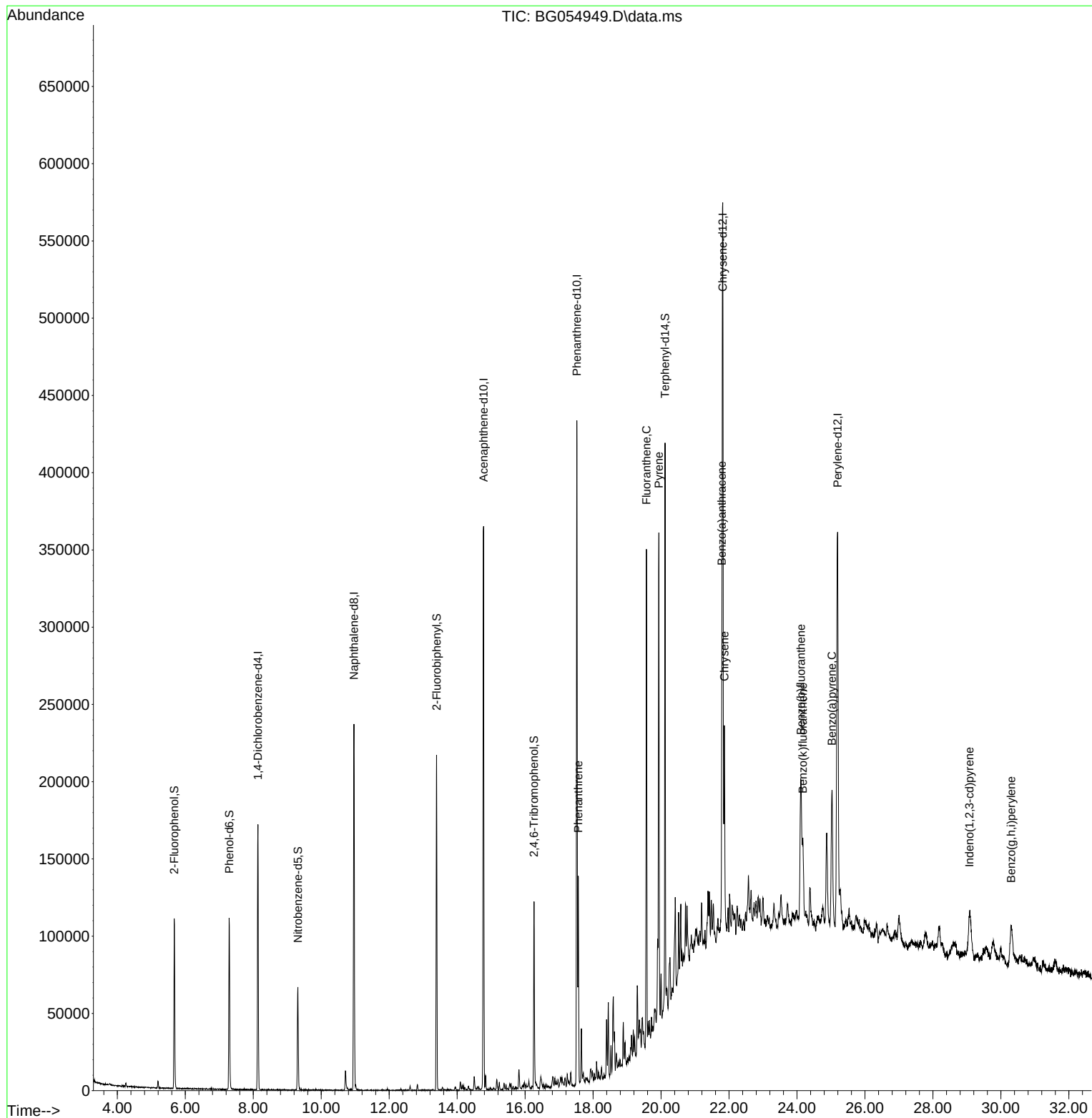
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054949.D
Acq On : 14 Sep 2022 18:46
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ALS Vial : 12 Sample Multiplier: 1

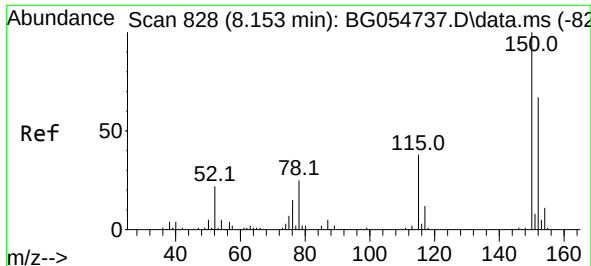
Instrument :
BNA_G
ClientSampleId :
OR-02-091222

Quant Time: Sep 15 03:22:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 15 03:14:10 2022
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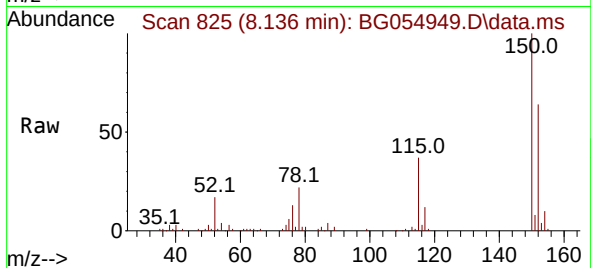
Reviewed By : Christian Giraldo 09/15/2022
Supervised By : Jagrut Upadhyay 09/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.136 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

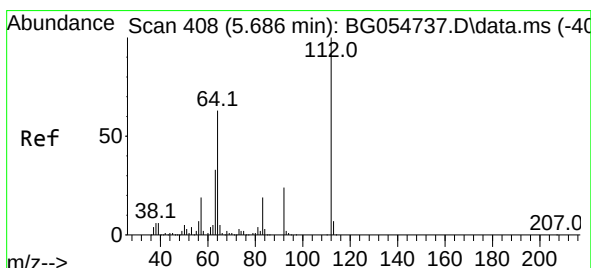
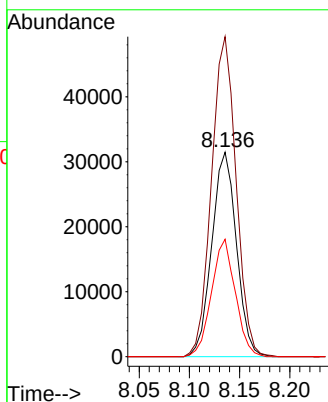
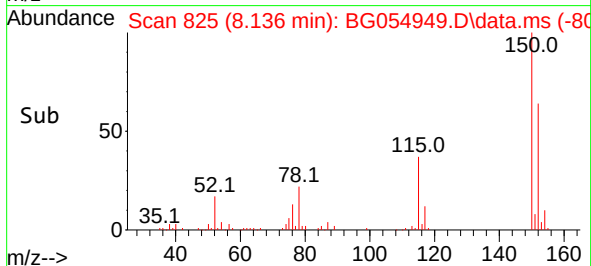
Instrument :
BNA_G
ClientSampleId :
OR-02-091222



Tgt Ion:152 Resp: 53780
Ion Ratio Lower Upper
152 100
150 156.4 125.2 187.8
115 57.4 47.9 71.9

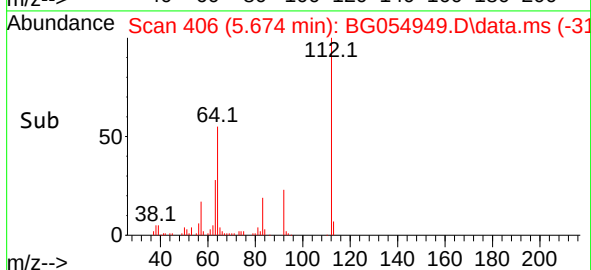
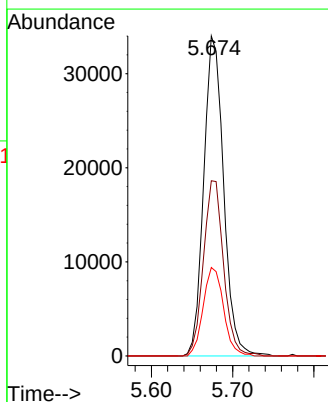
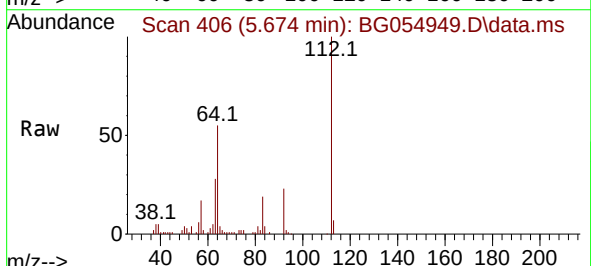
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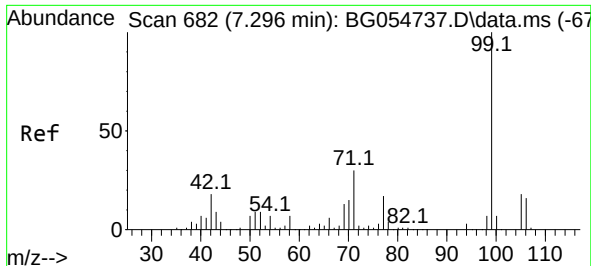
Reviewed By :Christian Giraldo 09/15/2022
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#5
2-Fluorophenol
Concen: 18.721 ng
RT: 5.674 min Scan# 406
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

Tgt Ion:112 Resp: 57817
Ion Ratio Lower Upper
112 100
64 54.8 49.3 73.9
63 27.6 26.3 39.5





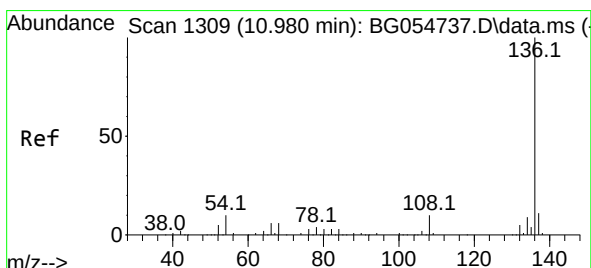
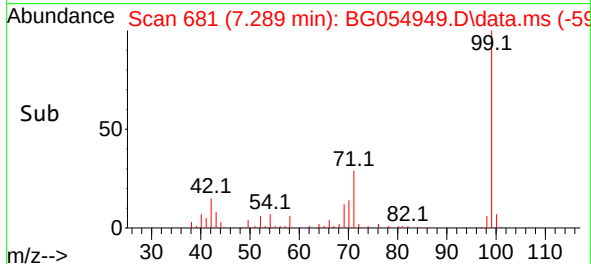
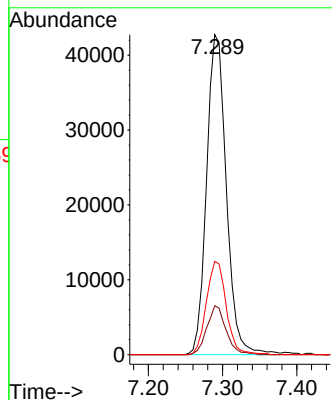
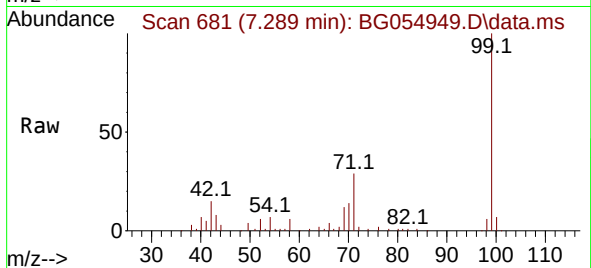
#7
Phenol-d6
Concen: 18.776 ng
RT: 7.289 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

Instrument :
BNA_G
ClientSampleId :
OR-02-091222

Tgt Ion: 99 Resp: 7930
Ion Ratio Lower Upper
99 100
42 15.3 14.6 22.0
71 29.1 24.6 37.0

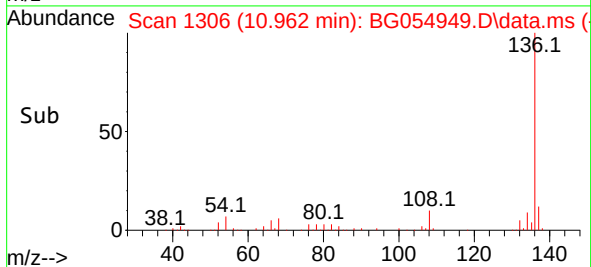
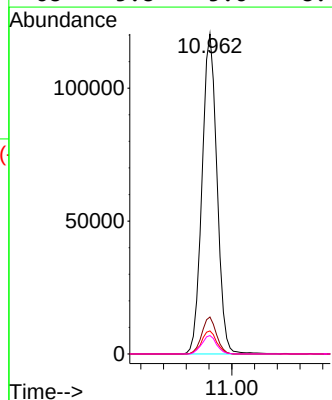
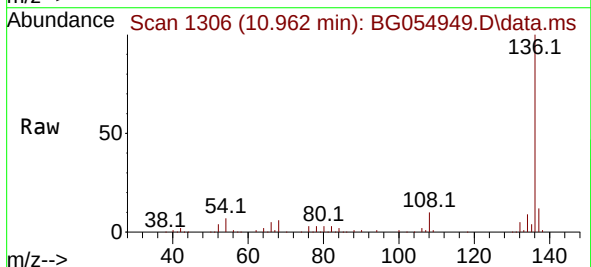
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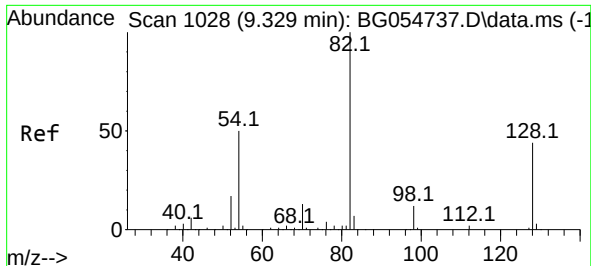
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.962 min Scan# 1306
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

Tgt Ion:136 Resp: 219627
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 7.2 7.7 11.5#
68 5.8 5.6 8.4





#23

Nitrobenzene-d5

Concen: 10.880 ng

RT: 9.311 min Scan# 1025

Delta R.T. 0.001 min

Lab File: BG054949.D

Acq: 14 Sep 2022 18:46

Instrument :

BNA_G

ClientSampleId :

OR-02-091222

Tgt Ion: 82 Resp: 45519

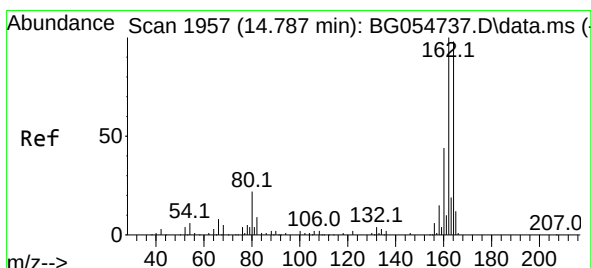
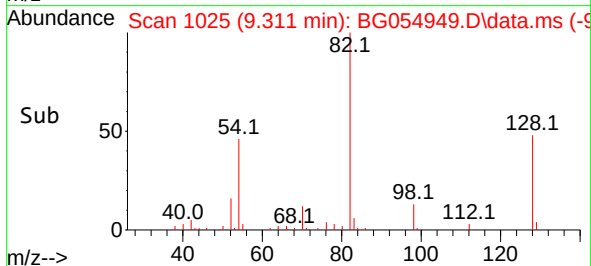
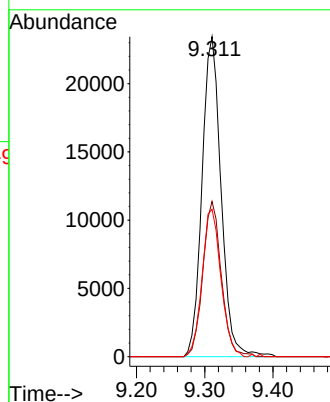
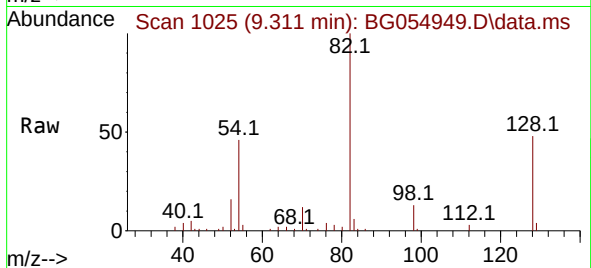
Ion	Ratio	Lower	Upper
82	100		
128	48.5	32.2	48.2
54	46.0	41.4	62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.775 min Scan# 1955

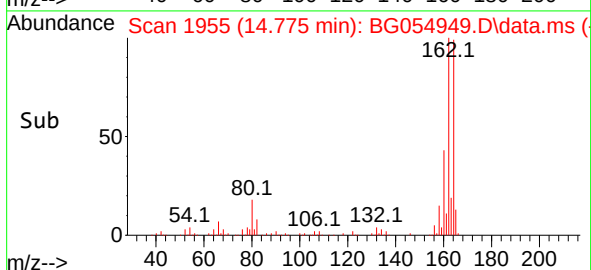
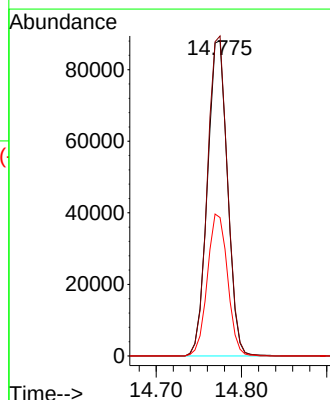
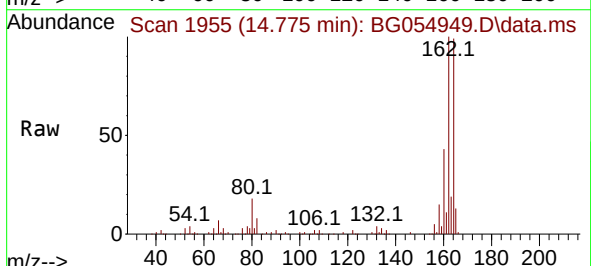
Delta R.T. 0.001 min

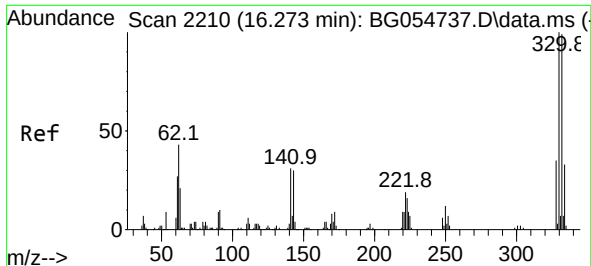
Lab File: BG054949.D

Acq: 14 Sep 2022 18:46

Tgt Ion:164 Resp: 143691

Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.0	124.4
160	43.9	38.0	57.0





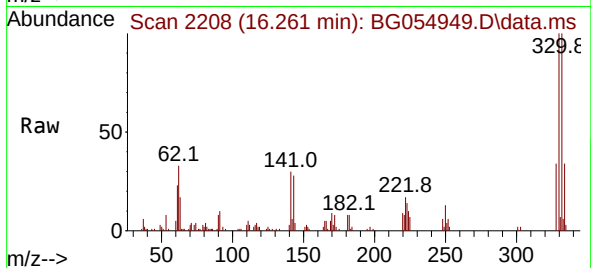
#42
2,4,6-Tribromophenol
Concen: 16.351 ng
RT: 16.261 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

Instrument :

BNA_G

ClientSampleId :

OR-02-091222

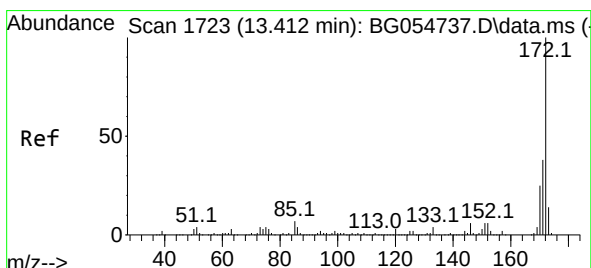
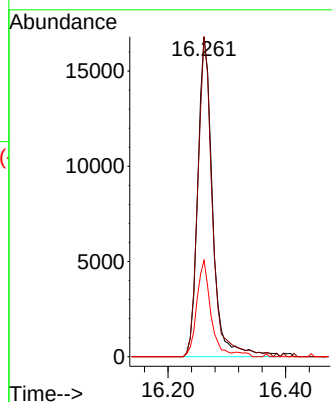
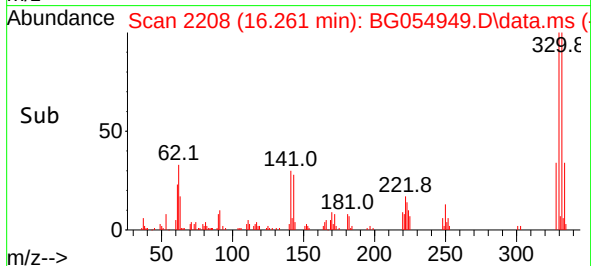


Tgt Ion:330 Resp: 2935
Ion Ratio Lower Upper
330 100
332 98.2 79.8 119.6
141 28.2 26.8 40.2

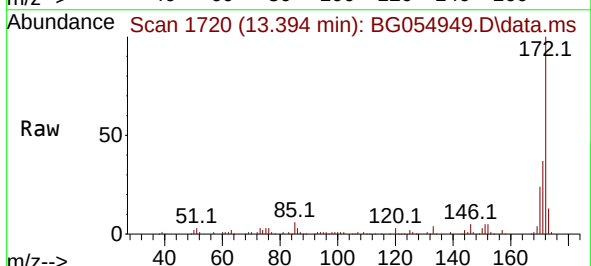
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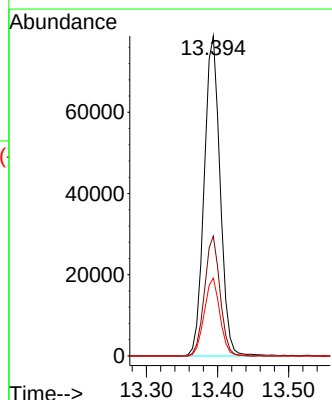
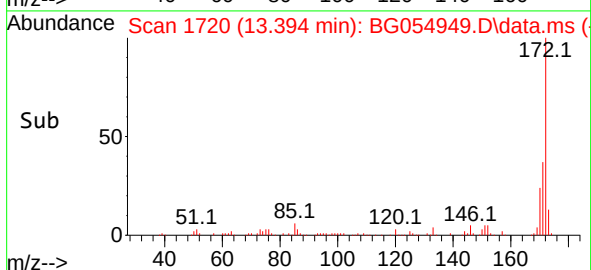
Reviewed By :Christian Giraldo 09/15/2022
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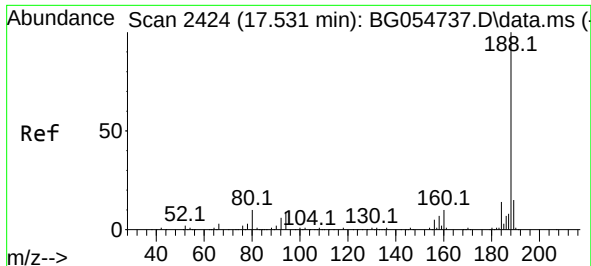


#45
2-Fluorobiphenyl
Concen: 12.869 ng
RT: 13.394 min Scan# 1720
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46



Tgt Ion:172 Resp: 123032
Ion Ratio Lower Upper
172 100
171 37.4 31.2 46.8
170 24.4 20.6 30.8





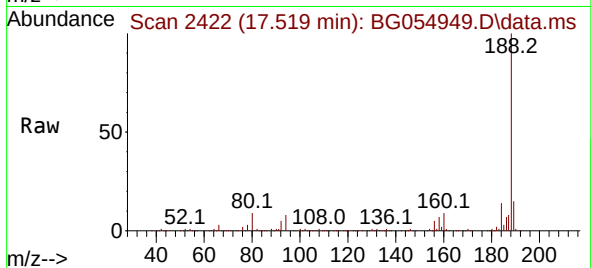
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.519 min Scan# 2424
Delta R.T. -0.005 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

Instrument :

BNA_G

ClientSampleId :

OR-02-091222

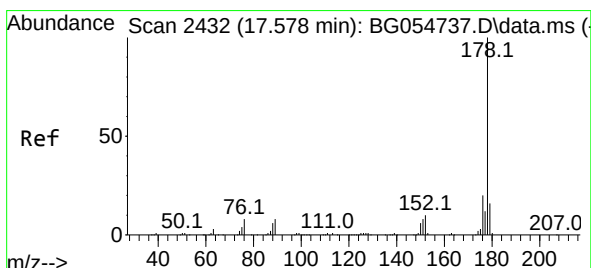
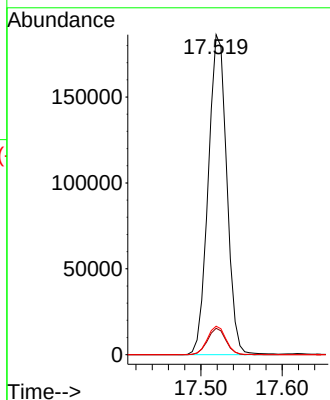
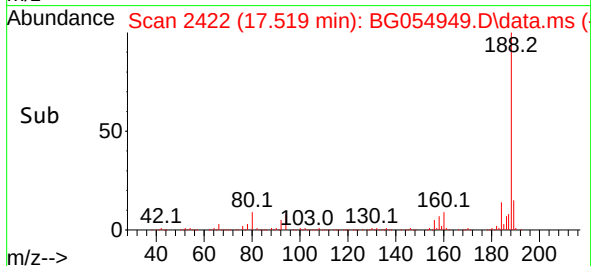


Tgt Ion:188 Resp: 29482
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 8.9 7.9 11.9

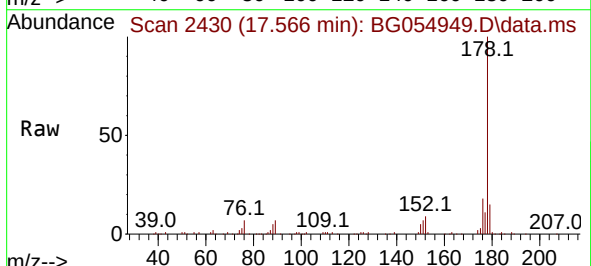
Manual Integrations

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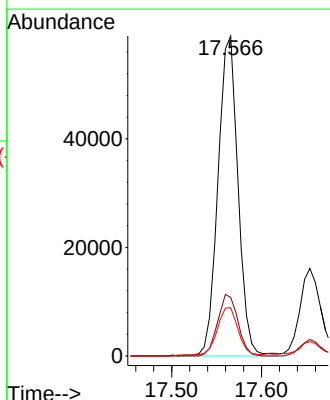
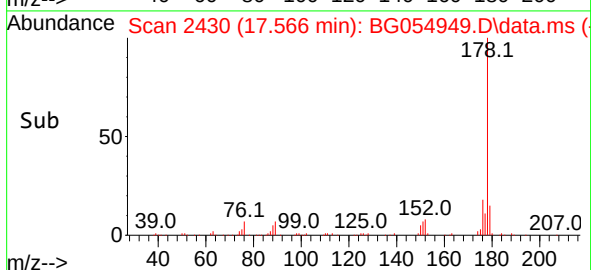
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022

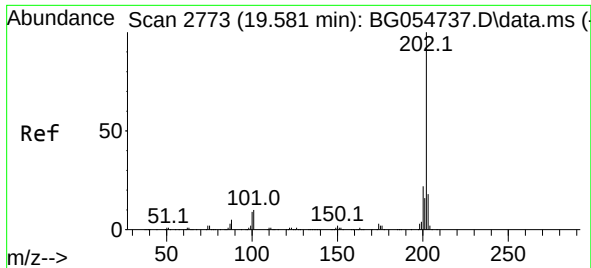


#71
Phenanthrene
Concen: 5.814 ng
RT: 17.566 min Scan# 2430
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46



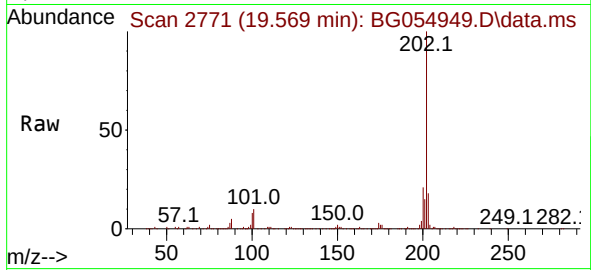
Tgt Ion:178 Resp: 91313
Ion Ratio Lower Upper
178 100
176 18.3 16.6 25.0
179 15.1 12.8 19.2





#75
Fluoranthene
Concen: 10.711 ng
RT: 19.569 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

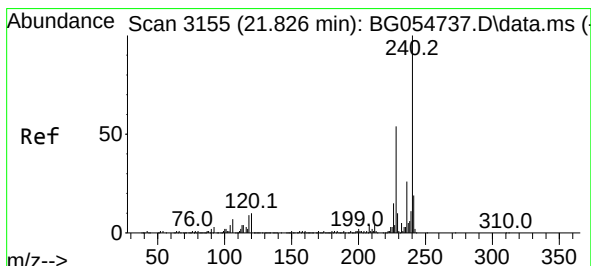
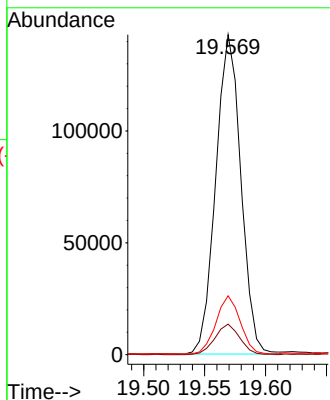
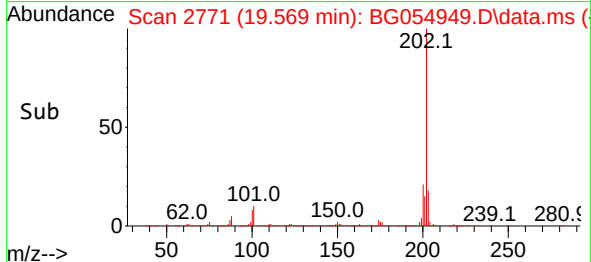
Instrument :
BNA_G
ClientSampleId :
OR-02-091222



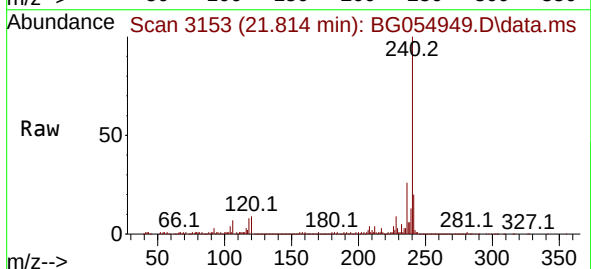
Tgt Ion:202 Resp: 204630
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.4
203 18.4 0.0 38.6

Manual Integrations
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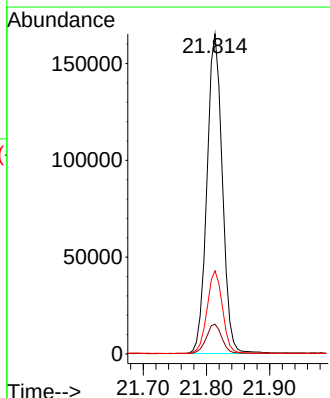
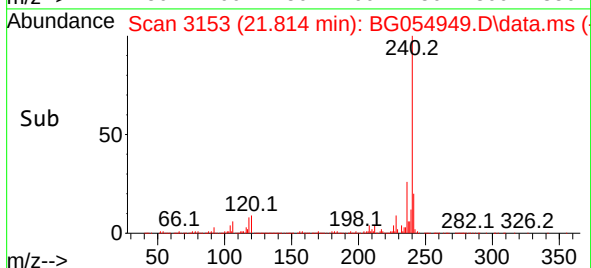
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022

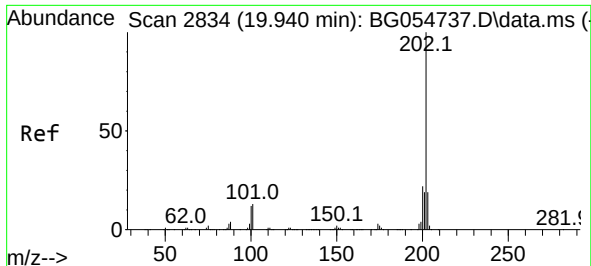


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.814 min Scan# 3153
Delta R.T. -0.005 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46



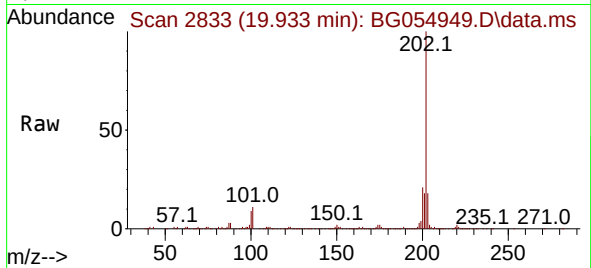
Tgt Ion:240 Resp: 278585
Ion Ratio Lower Upper
240 100
120 9.3 8.2 12.4
236 26.0 21.2 31.8





#78
Pyrene
Concen: 10.889 ng
RT: 19.933 min Scan# 211520
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

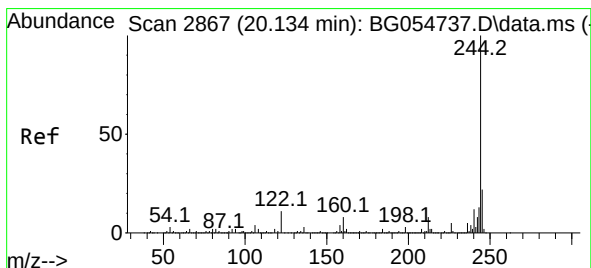
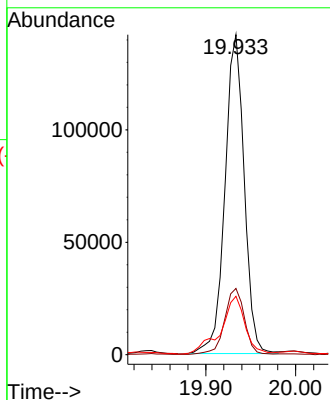
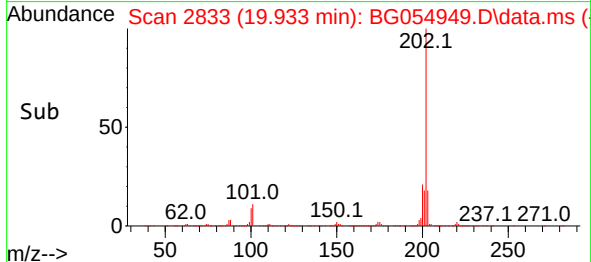
Instrument :
BNA_G
ClientSampleId :
OR-02-091222



Tgt Ion:202 Resp: 211520
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 18.3 14.6 21.8

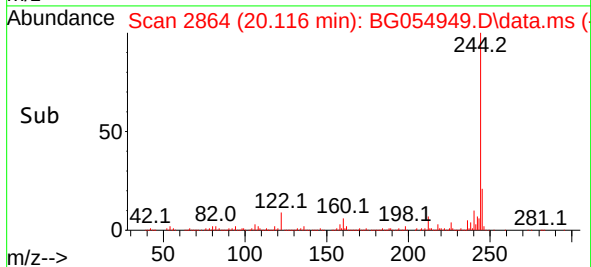
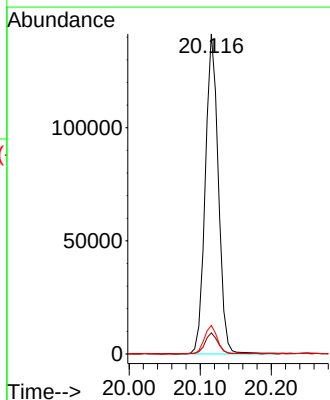
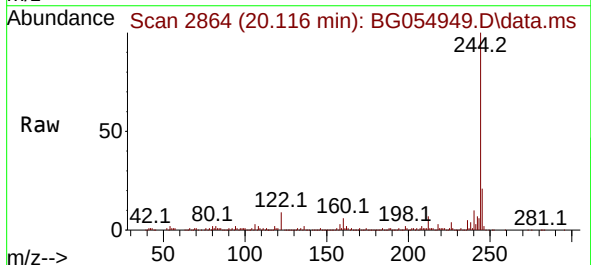
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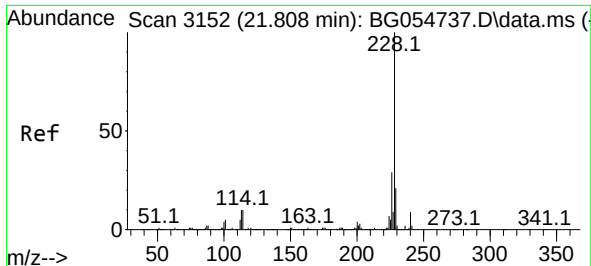
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#79
Terphenyl-d14
Concen: 12.864 ng
RT: 20.116 min Scan# 2864
Delta R.T. -0.005 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

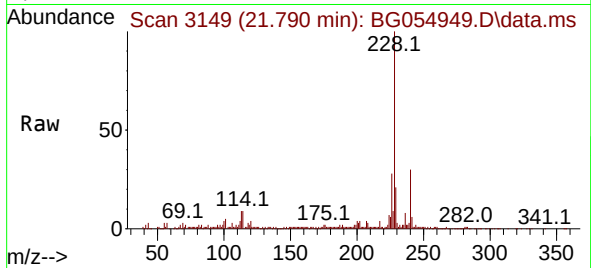
Tgt Ion:244 Resp: 180869
Ion Ratio Lower Upper
244 100
212 6.6 6.2 9.2
122 8.9 9.0 13.6#





#81
Benzo(a)anthracene
Concen: 6.119 ng
RT: 21.790 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

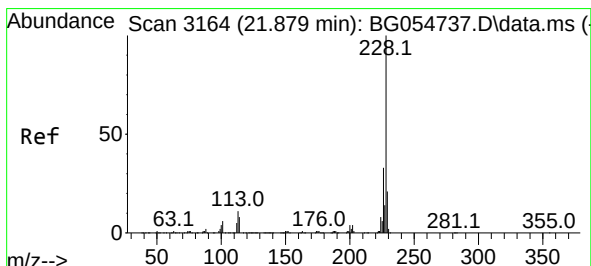
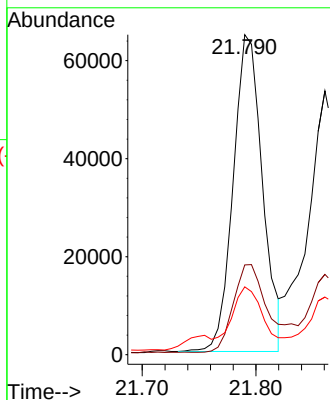
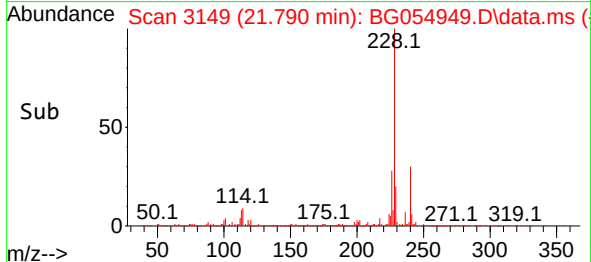
Instrument :
BNA_G
ClientSampleId :
OR-02-091222



Tgt Ion:228 Resp: 115589
Ion Ratio Lower Upper
228 100
226 28.0 23.4 35.2
229 21.2 16.5 24.7

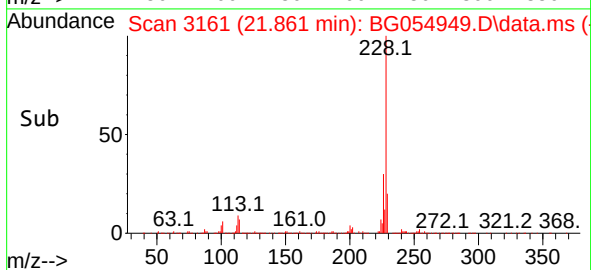
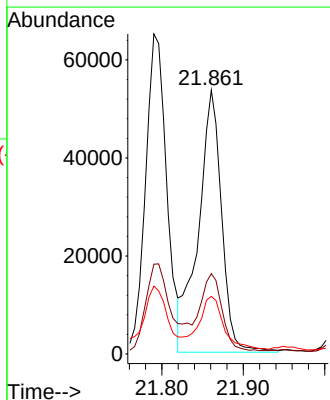
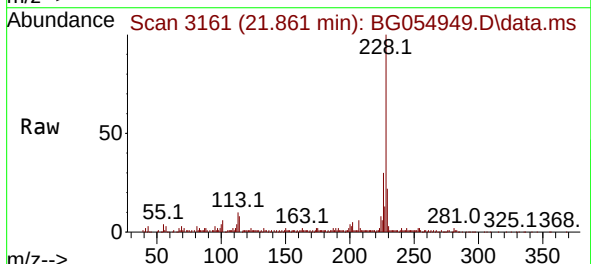
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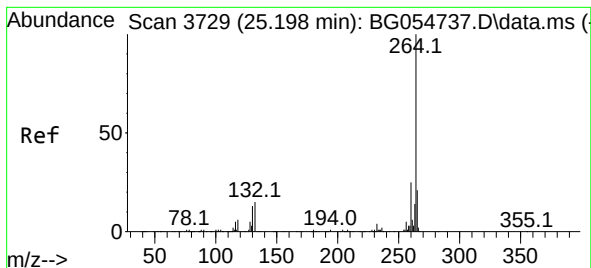
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#83
Chrysene
Concen: 5.904 ng m
RT: 21.861 min Scan# 3161
Delta R.T. -0.005 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

Tgt Ion:228 Resp: 106637
Ion Ratio Lower Upper
228 100
226 30.5 25.5 38.3
229 21.8 16.8 25.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.192 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG054949.D

Acq: 14 Sep 2022 18:46

Instrument :

BNA_G

ClientSampleId :

OR-02-091222

Tgt Ion:264 Resp: 300798

Ion Ratio Lower Upper

264 100

260 24.9 19.9 29.9

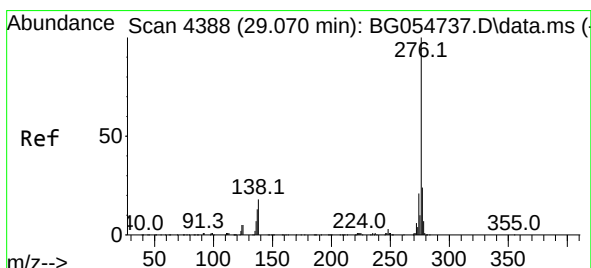
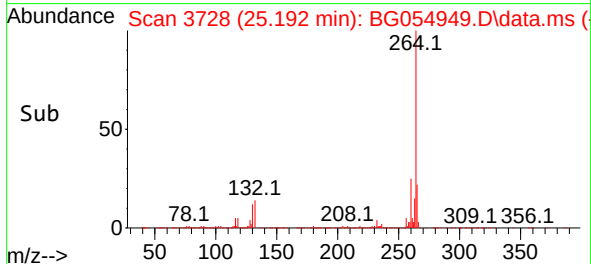
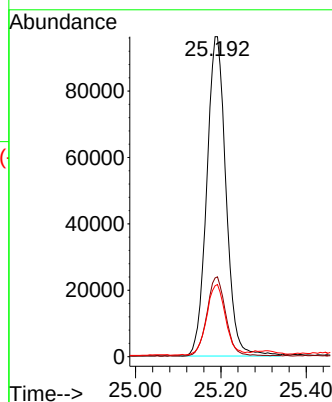
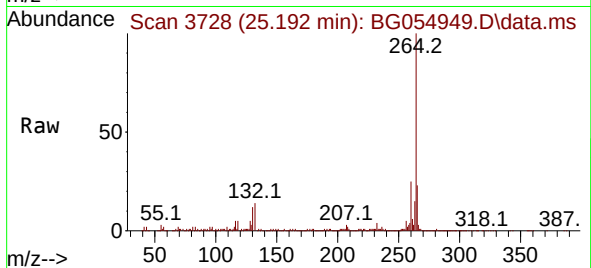
265 22.5 16.9 25.3

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Reviewed By :Christian Giraldo 09/15/2022

Supervised By :Jagrut Upadhyay 09/15/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.699 ng

RT: 29.076 min Scan# 4389

Delta R.T. -0.011 min

Lab File: BG054949.D

Acq: 14 Sep 2022 18:46

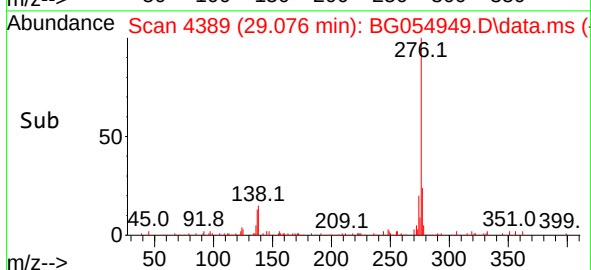
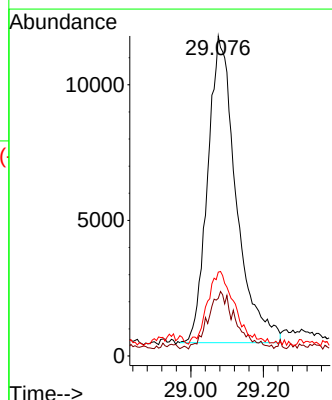
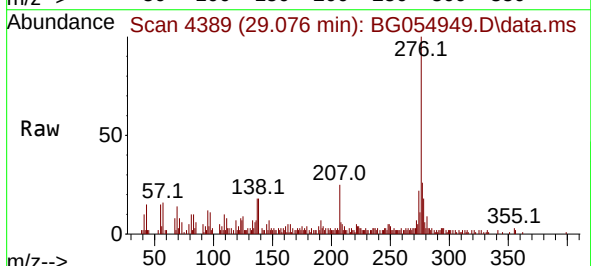
Tgt Ion:276 Resp: 61633

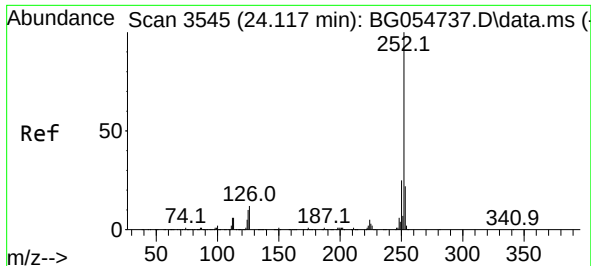
Ion Ratio Lower Upper

276 100

138 18.2 12.0 18.0#

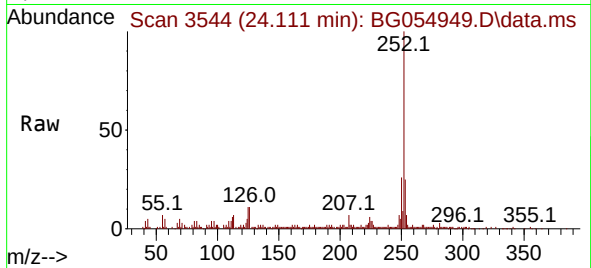
277 22.8 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 6.786 ng
RT: 24.111 min Scan# 3544
Delta R.T. 0.001 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

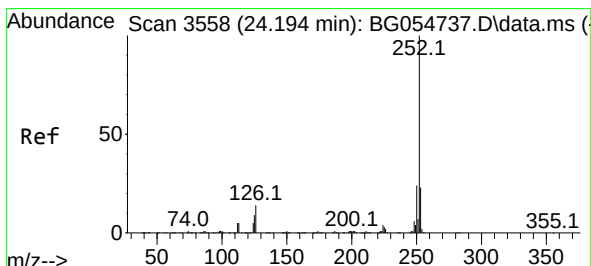
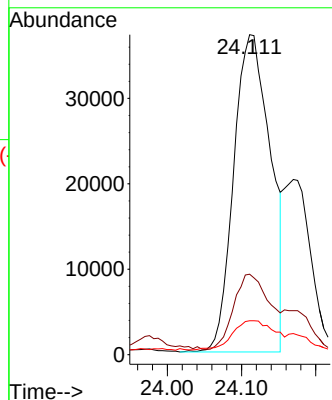
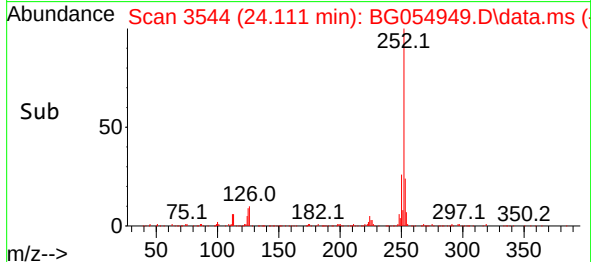
Instrument :
BNA_G
ClientSampleId :
OR-02-091222



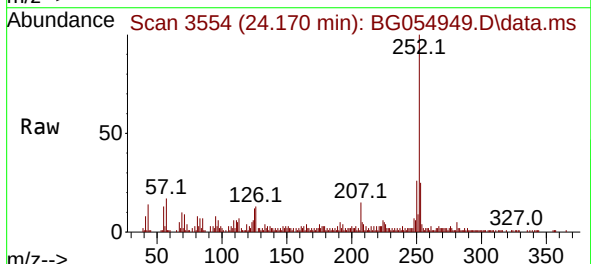
Tgt Ion:252 Resp: 12805
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 10.6 8.1 12.1

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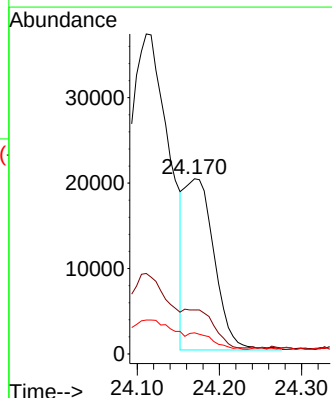
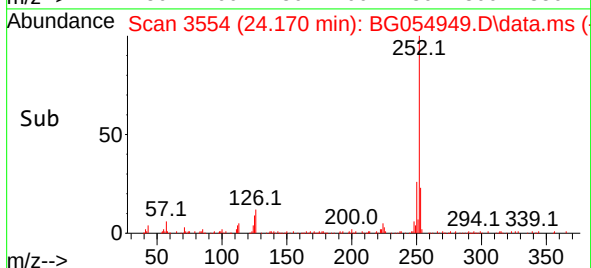
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022

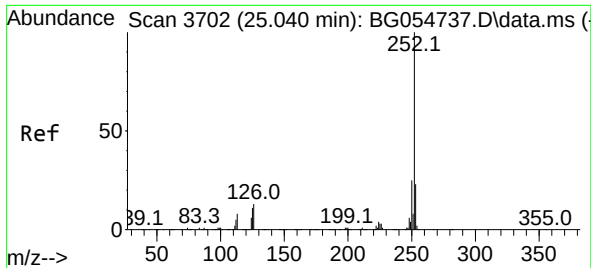


#89
Benzo(k)fluoranthene
Concen: 2.671 ng m
RT: 24.170 min Scan# 3554
Delta R.T. -0.011 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46



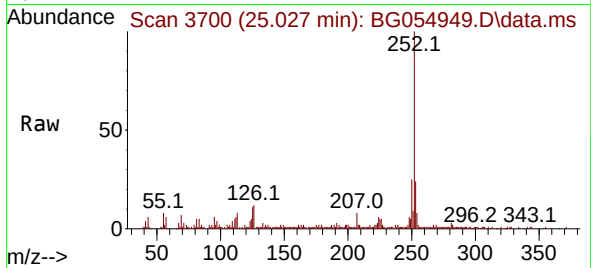
Tgt Ion:252 Resp: 50729
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 12.1 8.2 12.4





#90
Benzo(a)pyrene
Concen: 6.462 ng
RT: 25.027 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

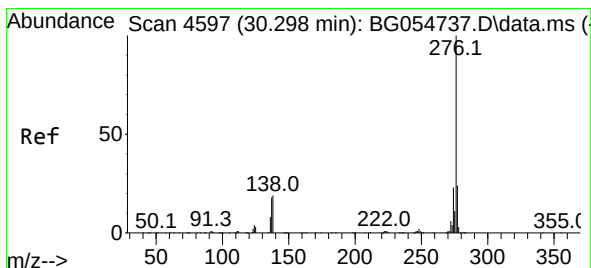
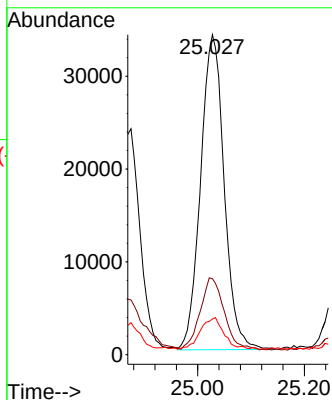
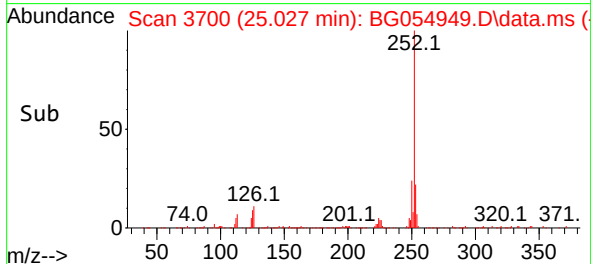
Instrument :
BNA_G
ClientSampleId :
OR-02-091222



Tgt Ion:252 Resp: 104174
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 11.2 8.8 13.2

Manual Integrations
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Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#92
Benzo(g,h,i)perylene
Concen: 3.650 ng
RT: 30.304 min Scan# 4598
Delta R.T. -0.005 min
Lab File: BG054949.D
Acq: 14 Sep 2022 18:46

Tgt Ion:276 Resp: 68599
Ion Ratio Lower Upper
276 100
277 26.7 19.4 29.0
138 18.3 16.6 25.0

