

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054822.D
 Acq On : 1 Sep 2022 14:47
 Operator : CG/JU
 Sample : N4433-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/02/2022
 Supervised By : Jagrut Upadhyay 09/02/2022

Quant Time: Sep 01 15:28:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	42823	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	179326	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	119616	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	269752	20.000	ng	0.00
76) Chrysene-d12	21.819	240	251629	20.000	ng	0.00
86) Perylene-d12	25.186	264	267818	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	263909	107.316	ng	0.00
7) Phenol-d6	7.295	99	358369	106.559	ng	0.00
23) Nitrobenzene-d5	9.322	82	215125	62.976	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	164331	109.944	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	538456	67.659	ng	0.00
79) Terphenyl-d14	20.127	244	874658	68.873	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.845	154	22718	3.177	ng	98
58) Fluorene	15.820	166	24256	2.740	ng	99
71) Phenanthrene	17.565	178	342839	23.858	ng	99
72) Anthracene	17.659	178	84219	6.028	ng	97
73) Carbazole	17.924	167	34664	2.693	ng	98
75) Fluoranthene	19.575	202	552422	31.601	ng	98
78) Pyrene	19.933	202	473225	26.971	ng	99
81) Benzo(a)anthracene	21.796	228	237534	13.923	ng	99
83) Chrysene	21.866	228	211144m	12.943	ng	
87) Indeno(1,2,3-cd)pyrene	29.046	276	145393	7.151	ng	97
88) Benzo(b)fluoranthene	24.110	252	275610	16.405	ng	98
89) Benzo(k)fluoranthene	24.175	252	114108m	6.749	ng	
90) Benzo(a)pyrene	25.021	252	215026	14.981	ng	98
92) Benzo(g,h,i)perylene	30.268	276	149702	8.946	ng	97

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

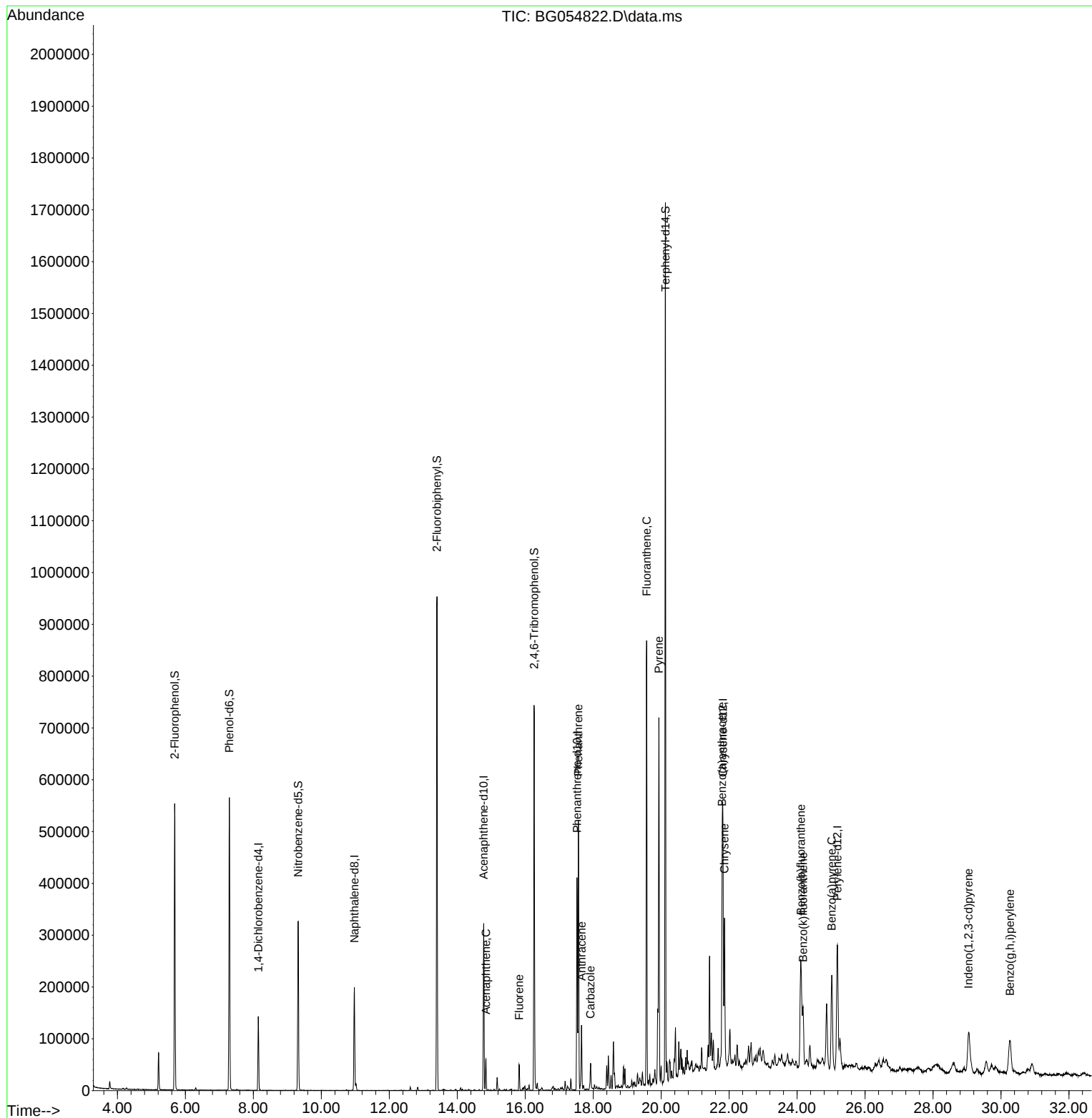
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
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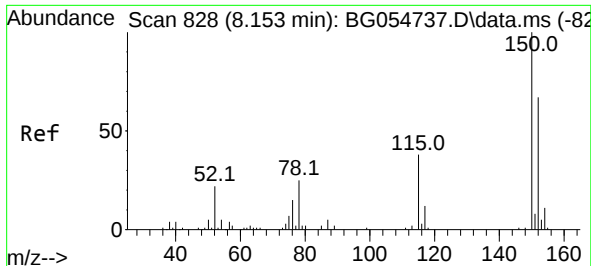
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
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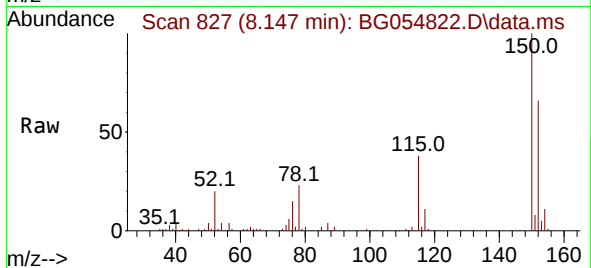
Reviewed By : Christian Giraldo 09/02/2022
Supervised By : Jagrut Upadhyay 09/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

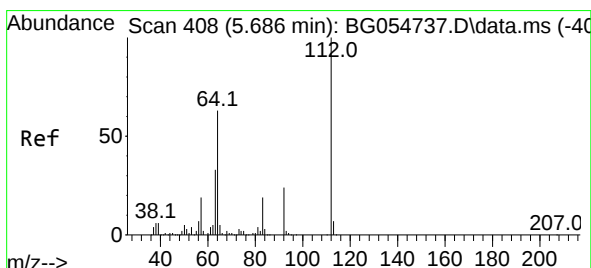
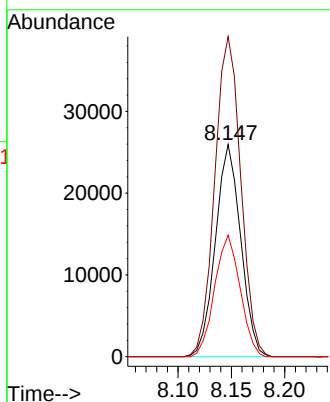
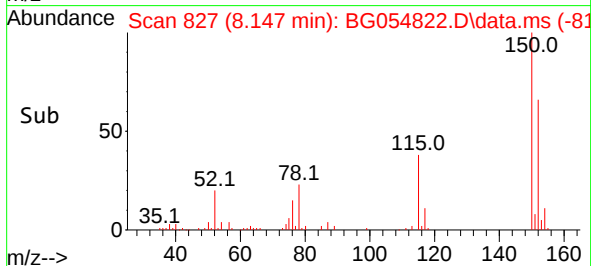
Instrument :
BNA_G
ClientSampleId :
EP-3



Tgt Ion:152 Resp: 4282
Ion Ratio Lower Upper
152 100
150 150.8 125.2 187.8
115 57.3 47.9 71.9

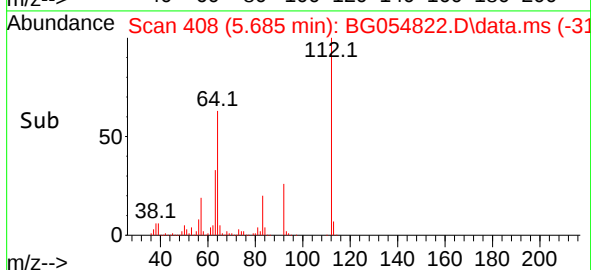
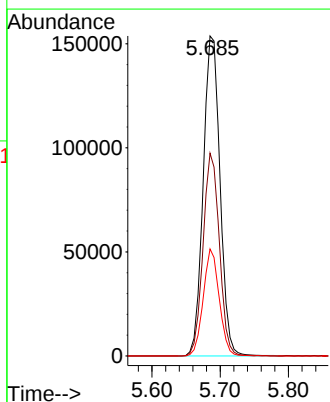
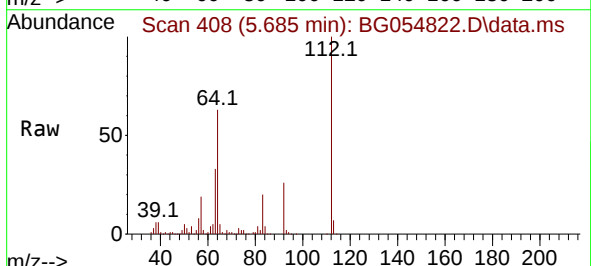
Manual Integrations
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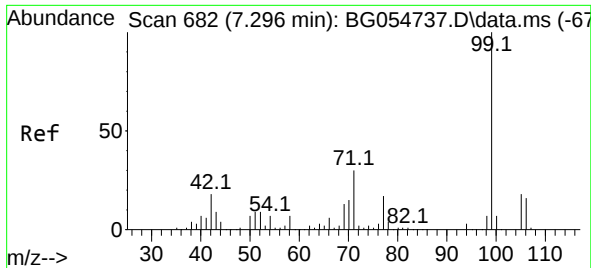
Reviewed By :Christian Giraldo 09/02/2022
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#5
2-Fluorophenol
Concen: 107.316 ng
RT: 5.685 min Scan# 408
Delta R.T. -0.001 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

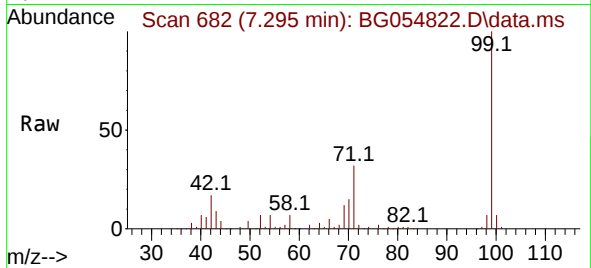
Tgt Ion:112 Resp: 263909
Ion Ratio Lower Upper
112 100
64 63.3 49.3 73.9
63 33.4 26.3 39.5





#7
Phenol-d6
Concen: 106.559 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

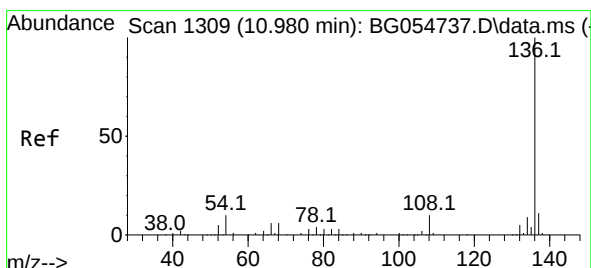
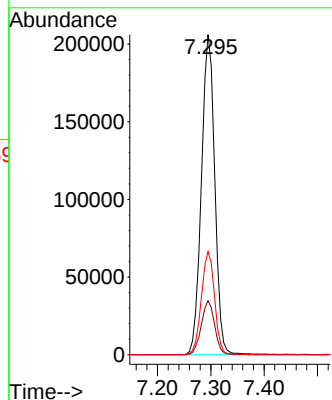
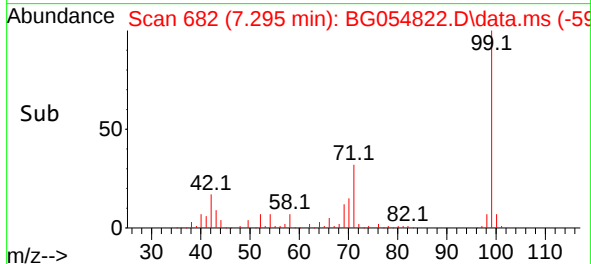
Instrument :
BNA_G
ClientSampleId :
EP-3



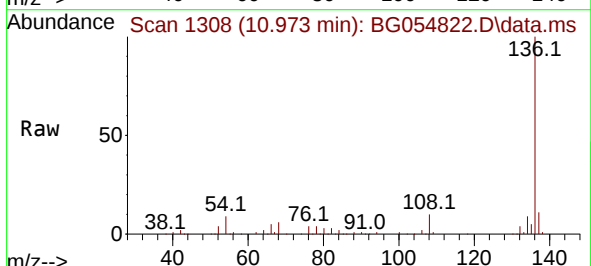
Tgt Ion: 99 Resp: 358369
Ion Ratio Lower Upper
99 100
42 16.9 14.6 22.0
71 32.2 24.6 37.0

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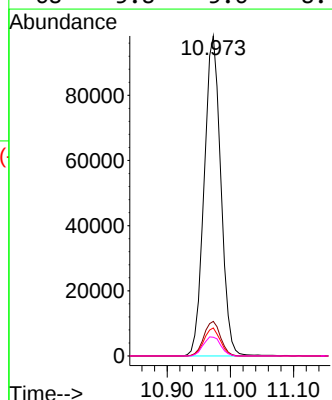
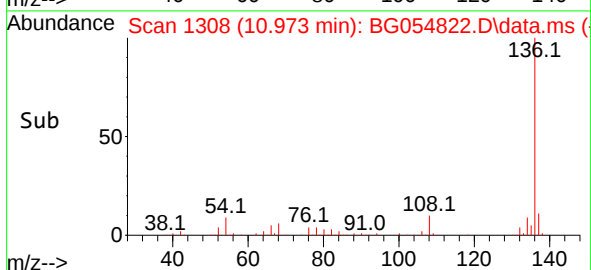
Reviewed By :Christian Giraldo 09/02/2022
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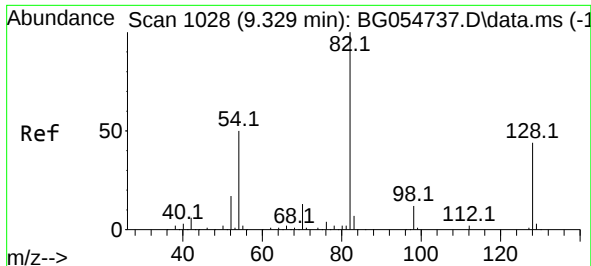


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 1308
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47



Tgt Ion:136 Resp: 179326
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.8 7.7 11.5
68 5.8 5.6 8.4





#23

Nitrobenzene-d5

Concen: 62.976 ng

RT: 9.322 min Scan# 1028

Delta R.T. -0.007 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

Instrument :

BNA_G

ClientSampleId :

EP-3

Tgt Ion: 82 Resp: 21512

Ion Ratio Lower Upper

82 100

128 45.8 32.2 48.2

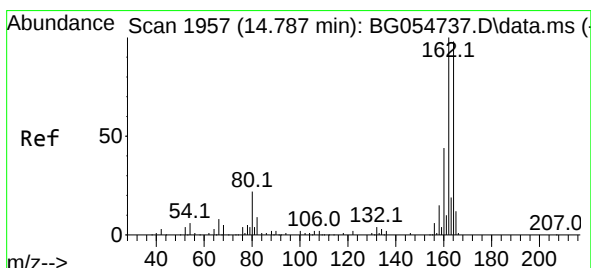
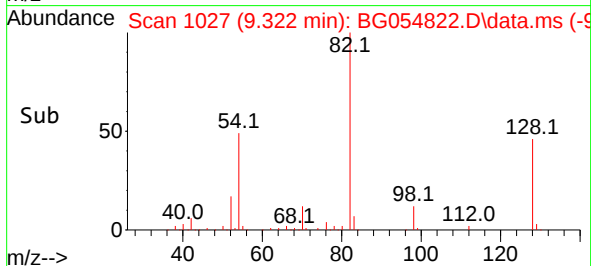
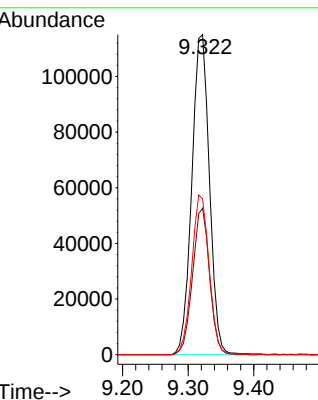
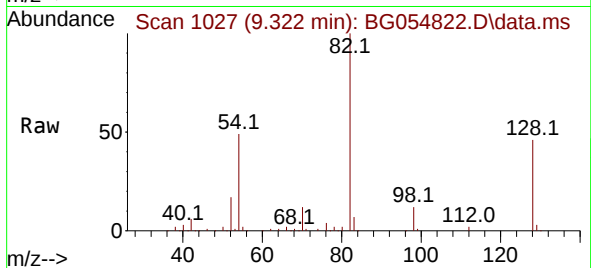
54 48.7 41.4 62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.780 min Scan# 1956

Delta R.T. -0.007 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

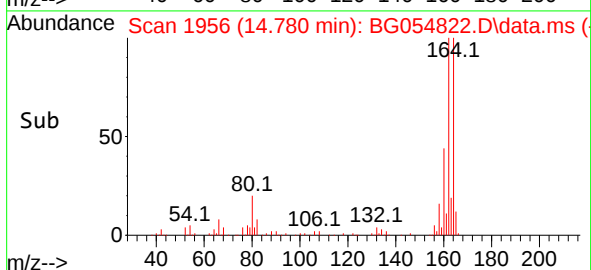
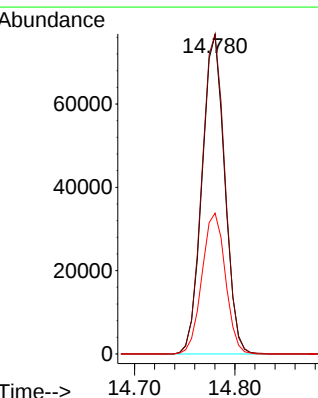
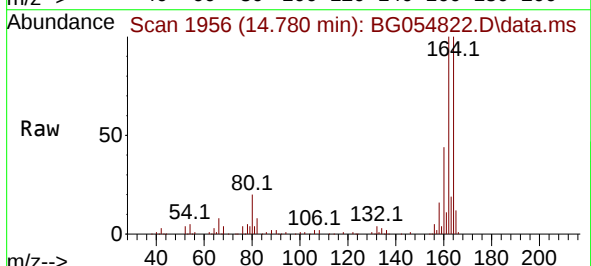
Tgt Ion:164 Resp: 119616

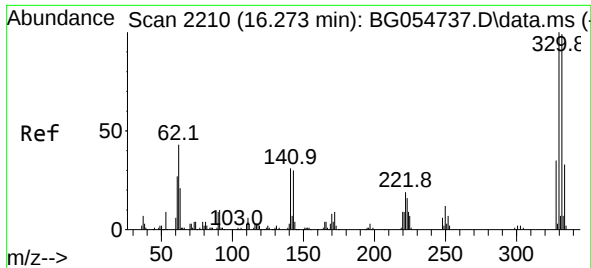
Ion Ratio Lower Upper

164 100

162 100.4 83.0 124.4

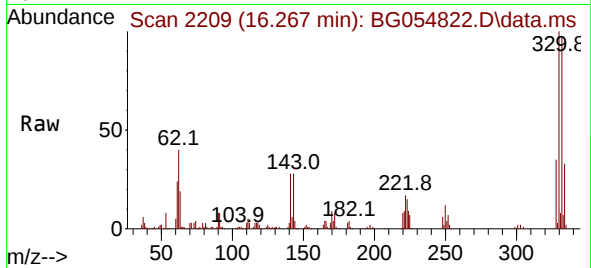
160 44.2 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 109.944 ng
RT: 16.267 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

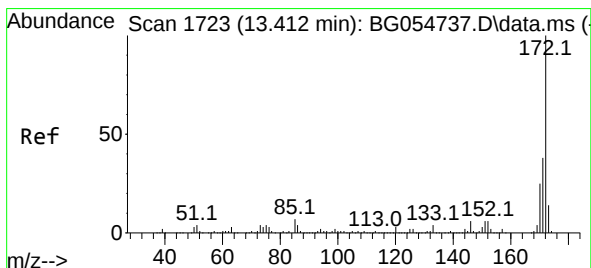
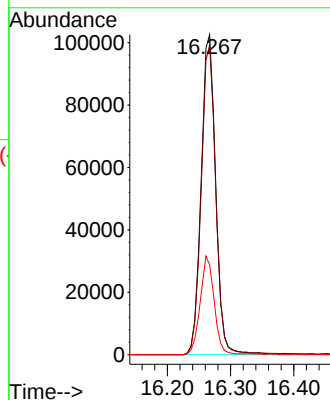
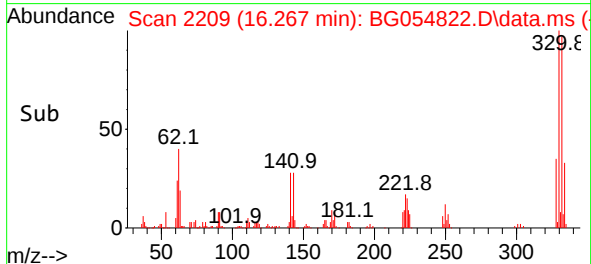
Instrument :
BNA_G
ClientSampleId :
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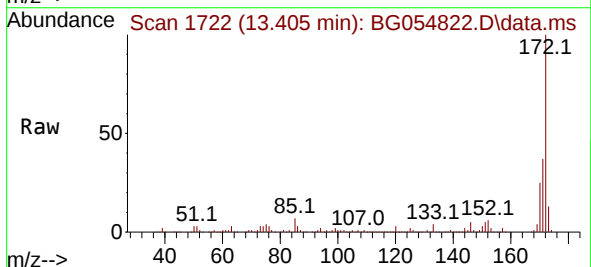
Tgt Ion:330 Resp: 16433
Ion Ratio Lower Upper
330 100
332 96.0 79.8 119.6
141 29.5 26.8 40.2

Manual Integrations
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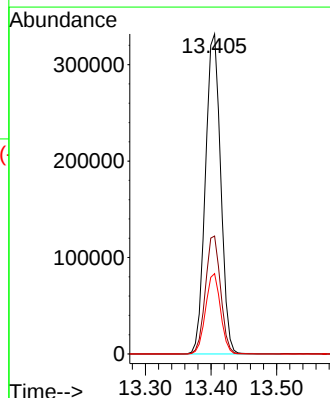
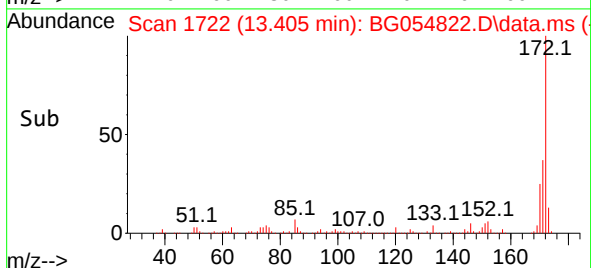
Reviewed By :Christian Giraldo 09/02/2022
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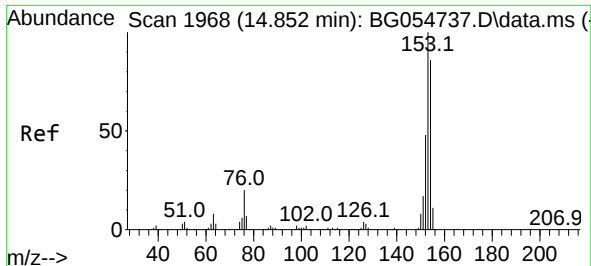


#45
2-Fluorobiphenyl
Concen: 67.659 ng
RT: 13.405 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47



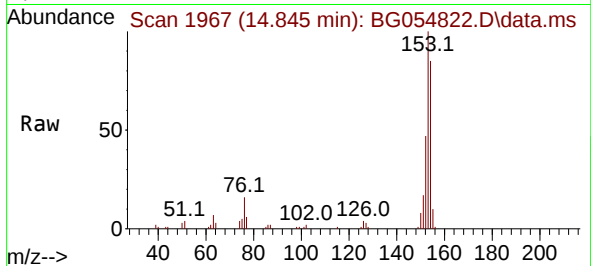
Tgt Ion:172 Resp: 538456
Ion Ratio Lower Upper
172 100
171 36.9 31.2 46.8
170 25.1 20.6 30.8





#52
Acenaphthene
Concen: 3.177 ng
RT: 14.845 min Scan# 1968
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

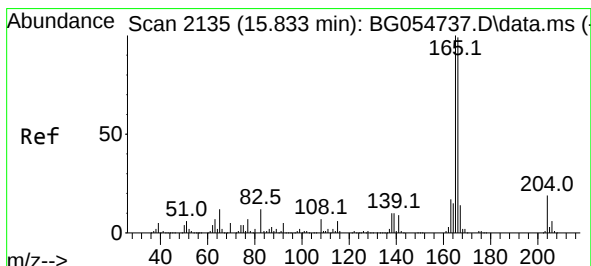
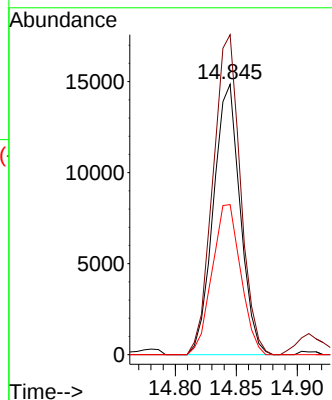
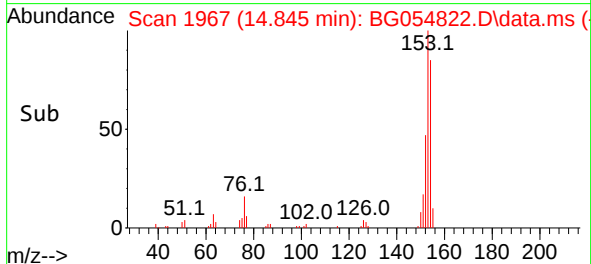
Instrument :
BNA_G
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EP-3



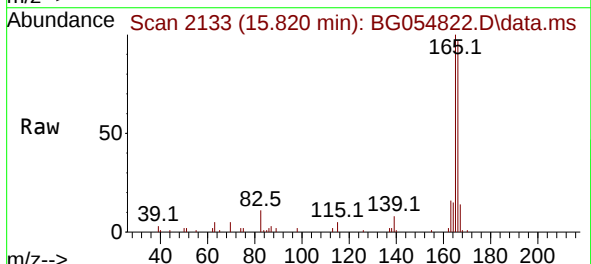
Tgt Ion:154 Resp: 22718
Ion Ratio Lower Upper
154 100
153 118.3 92.8 139.2
152 55.5 45.4 68.2

Manual Integrations
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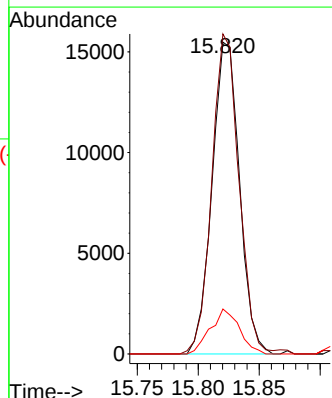
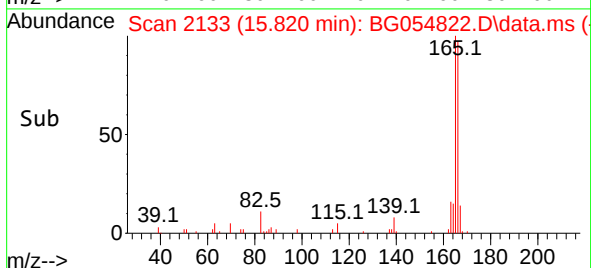
Reviewed By :Christian Giraldo 09/02/2022
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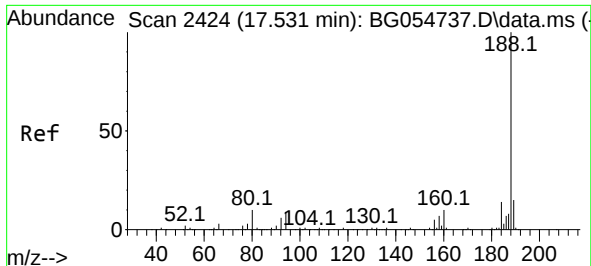


#58
Fluorene
Concen: 2.740 ng
RT: 15.820 min Scan# 2133
Delta R.T. -0.013 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47



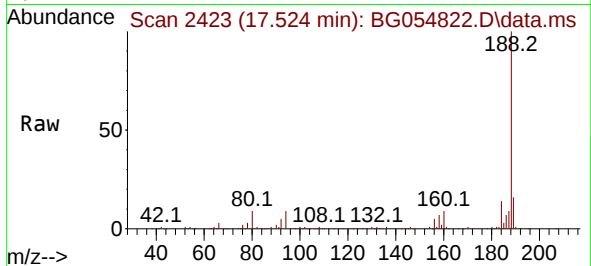
Tgt Ion:166 Resp: 24256
Ion Ratio Lower Upper
166 100
165 102.6 80.8 121.2
167 14.4 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.524 min Scan# 2424
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

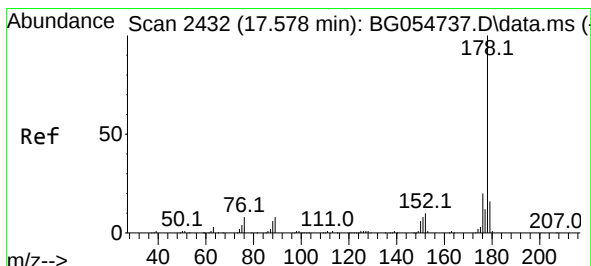
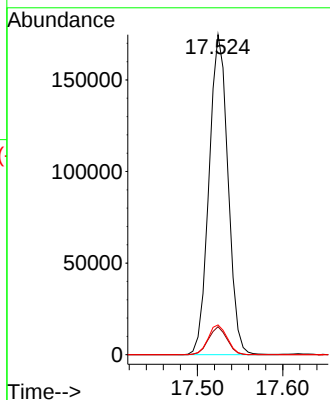
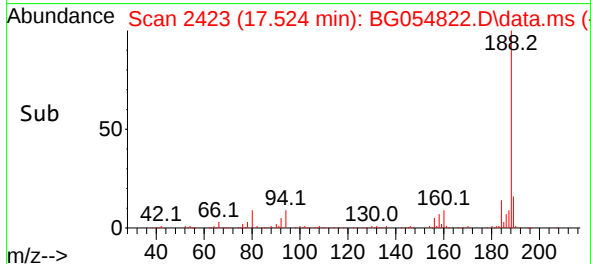
Instrument :
BNA_G
ClientSampleId :
EP-3



Tgt Ion:188 Resp: 269752
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.4
80 9.3 7.9 11.9

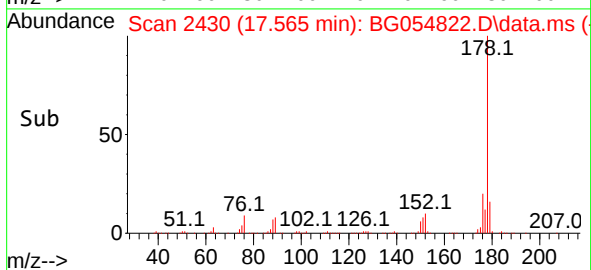
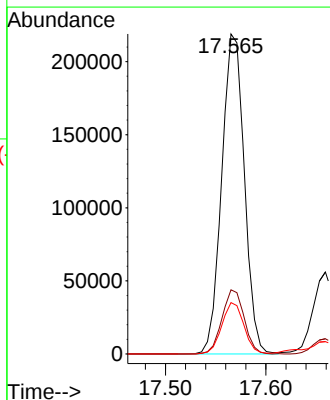
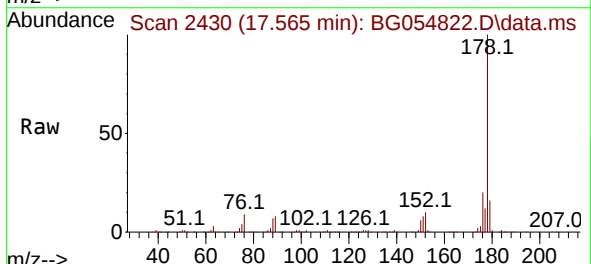
Manual Integrations
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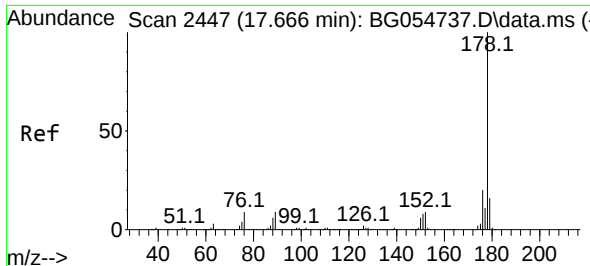
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#71
Phenanthrene
Concen: 23.858 ng
RT: 17.565 min Scan# 2430
Delta R.T. -0.013 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

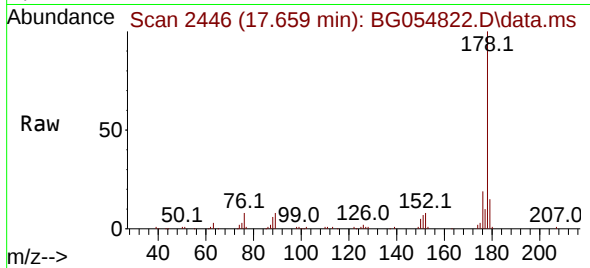
Tgt Ion:178 Resp: 342839
Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 16.1 12.8 19.2





#72
 Anthracene
 Concen: 6.028 ng
 RT: 17.659 min Scan# 2446
 Delta R.T. -0.007 min
 Lab File: BG054822.D
 Acq: 1 Sep 2022 14:47

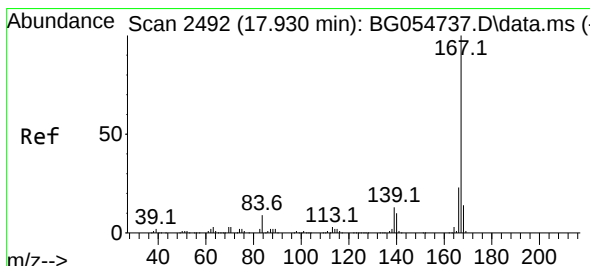
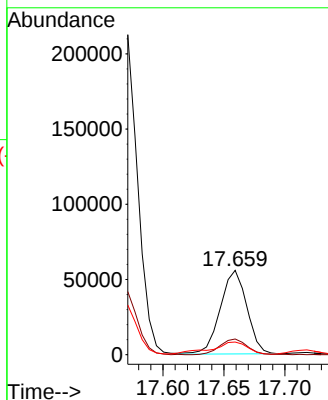
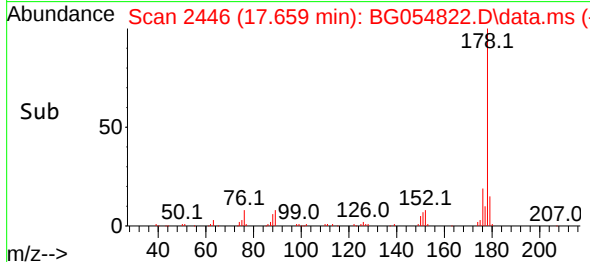
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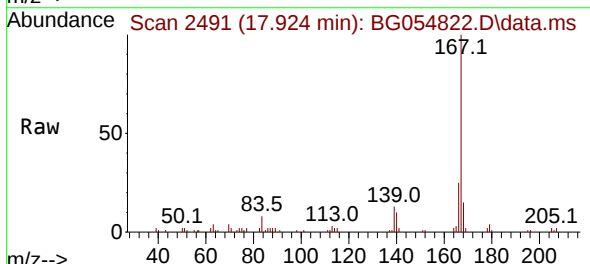
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 Ion Ratio Lower Upper
 178 100
 176 18.6 16.2 24.4
 179 15.0 12.9 19.3

Manual Integrations
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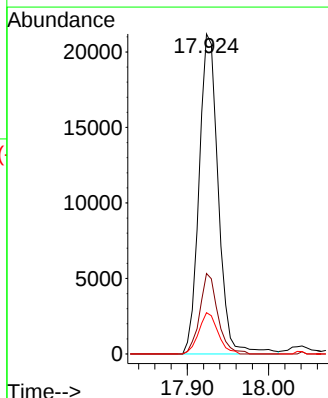
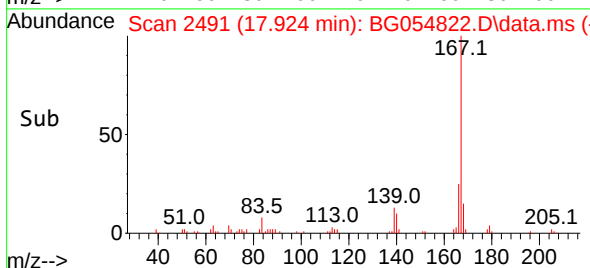
Reviewed By :Christian Giraldo 09/02/2022
 Supervised By :Jagrut Upadhyay 09/02/2022

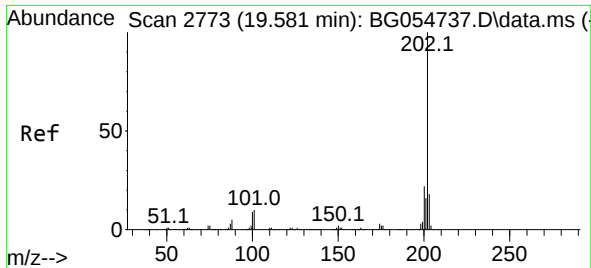


#73
 Carbazole
 Concen: 2.693 ng
 RT: 17.924 min Scan# 2491
 Delta R.T. -0.007 min
 Lab File: BG054822.D
 Acq: 1 Sep 2022 14:47



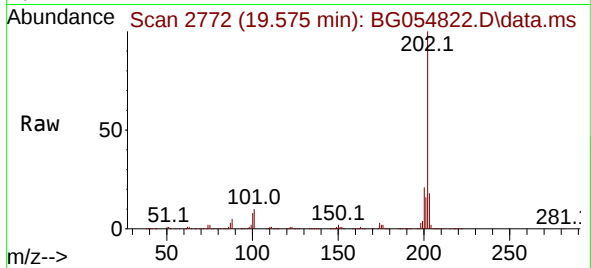
Tgt Ion:167 Resp: 34664
 Ion Ratio Lower Upper
 167 100
 166 25.2 18.8 28.2
 139 12.9 10.2 15.4





#75
Fluoranthene
Concen: 31.601 ng
RT: 19.575 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

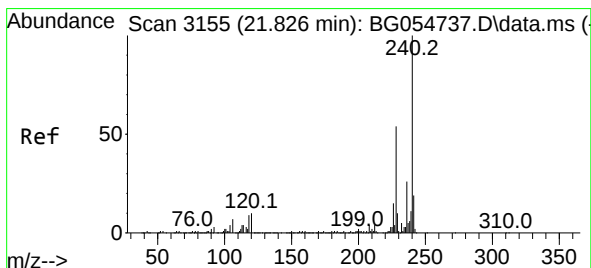
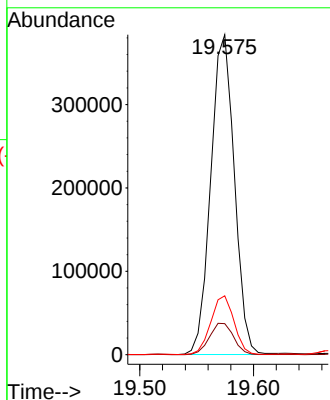
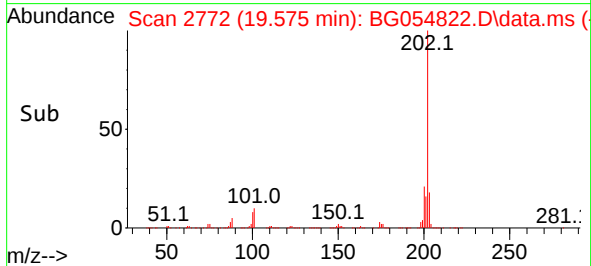
Instrument :
BNA_G
ClientSampleId :
EP-3



Tgt Ion:202 Resp: 55242
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.4
203 18.4 0.0 38.6

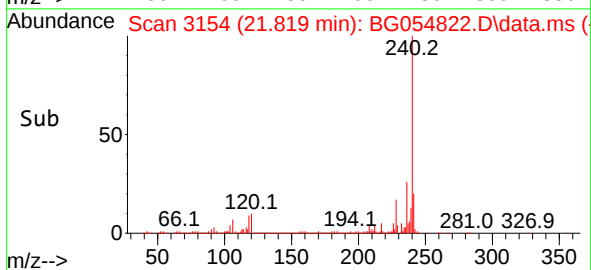
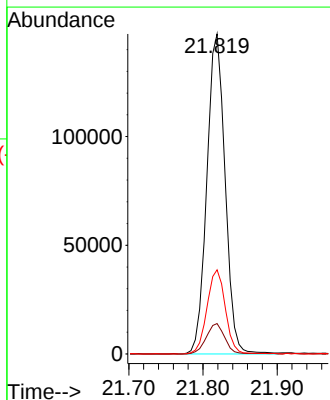
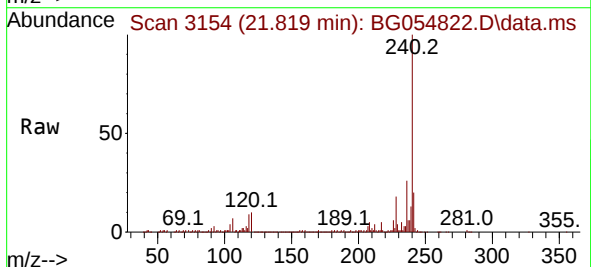
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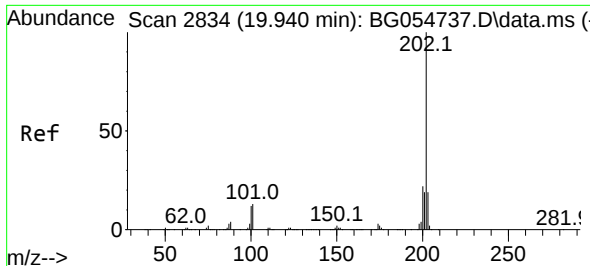
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

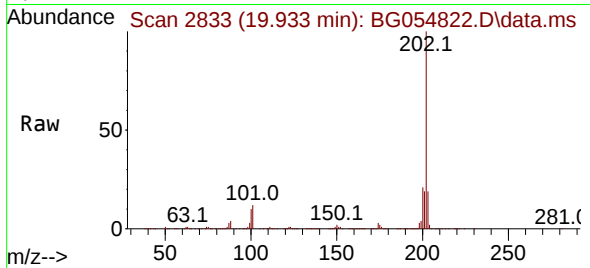
Tgt Ion:240 Resp: 251629
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.4
236 26.3 21.2 31.8





#78
 Pyrene
 Concen: 26.971 ng
 RT: 19.933 min Scan# 2833
 Delta R.T. -0.007 min
 Lab File: BG054822.D
 Acq: 1 Sep 2022 14:47

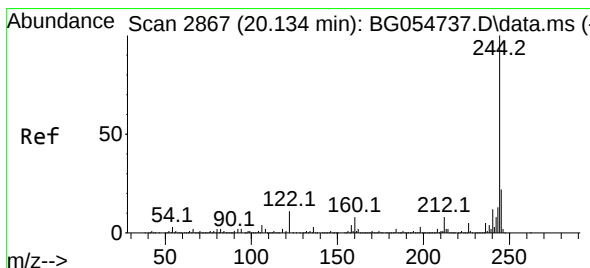
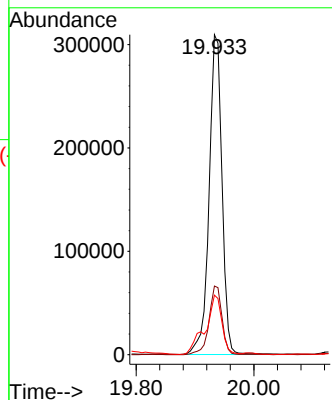
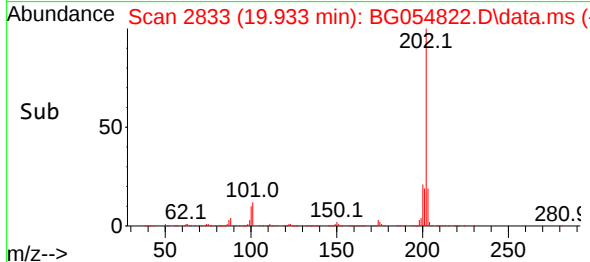
Instrument :
 BNA_G
 ClientSampleId :
 EP-3



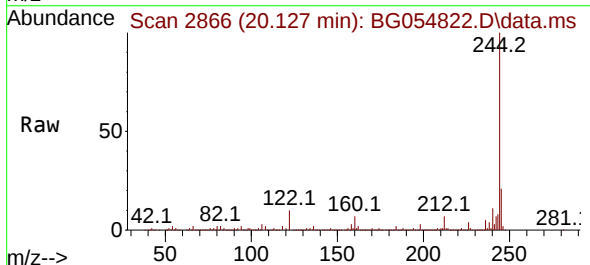
Tgt Ion:202 Resp: 473225
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.8 26.6
 203 18.6 14.6 21.8

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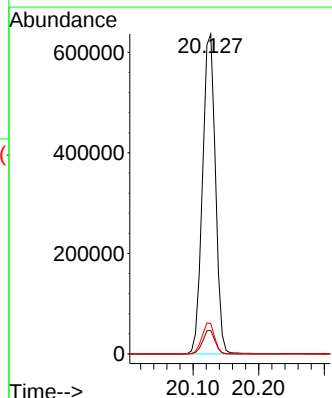
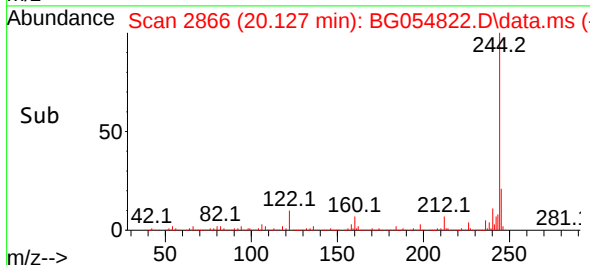
Reviewed By :Christian Giraldo 09/02/2022
 Supervised By :Jagrut Upadhyay 09/02/2022

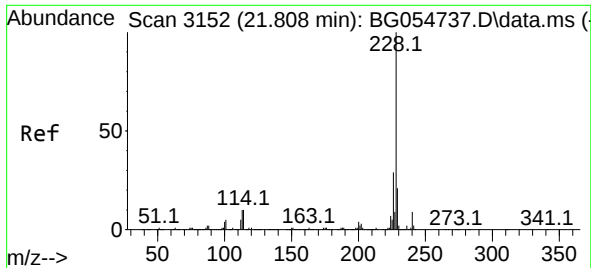


#79
 Terphenyl-d14
 Concen: 68.873 ng
 RT: 20.127 min Scan# 2866
 Delta R.T. -0.007 min
 Lab File: BG054822.D
 Acq: 1 Sep 2022 14:47



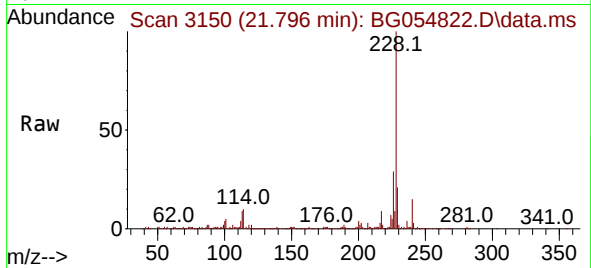
Tgt Ion:244 Resp: 874658
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 13.923 ng
RT: 21.796 min Scan# 3152
Delta R.T. -0.013 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

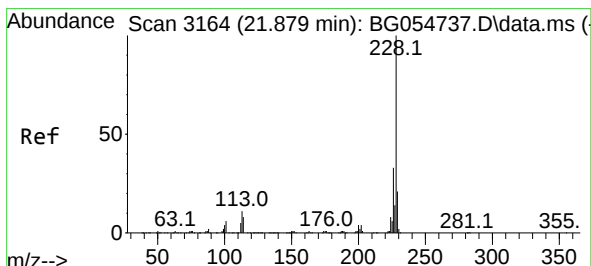
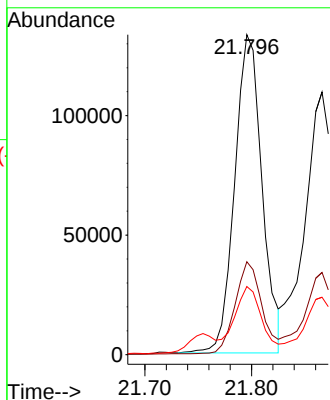
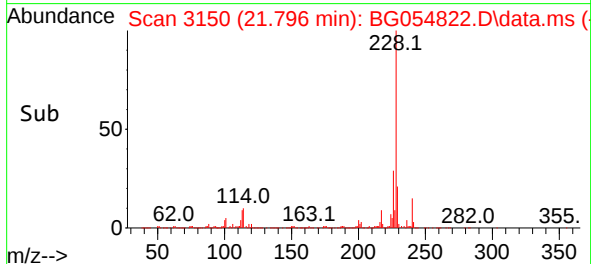
Instrument :
BNA_G
ClientSampleId :
EP-3



Tgt Ion:228 Resp: 237534
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.2
229 21.3 16.5 24.7

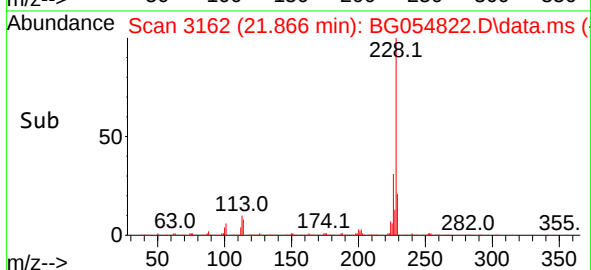
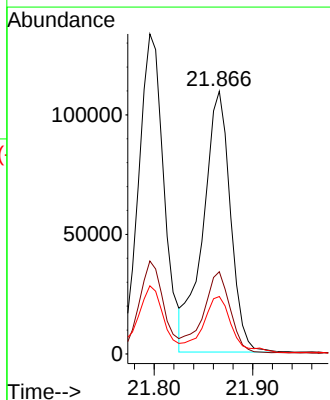
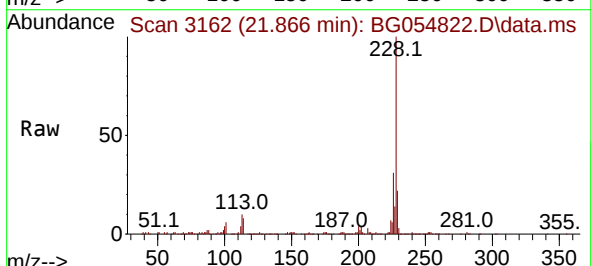
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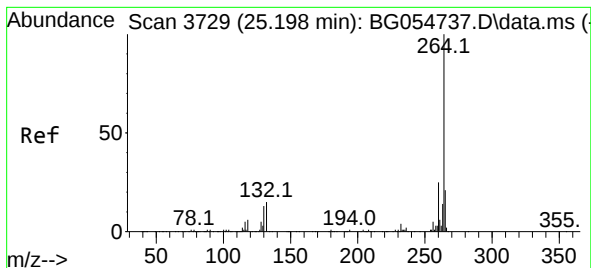
Reviewed By :Christian Giraldo 09/02/2022
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#83
Chrysene
Concen: 12.943 ng m
RT: 21.866 min Scan# 3162
Delta R.T. -0.013 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:228 Resp: 211144
Ion Ratio Lower Upper
228 100
226 31.3 25.5 38.3
229 21.9 16.8 25.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.186 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

Instrument :

BNA_G

ClientSampleId :

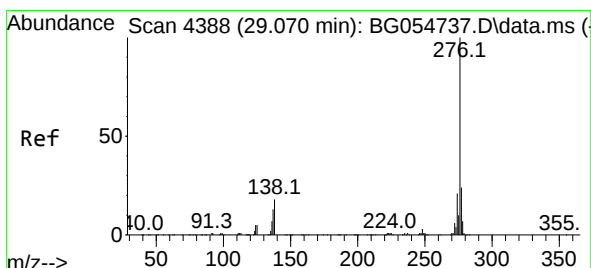
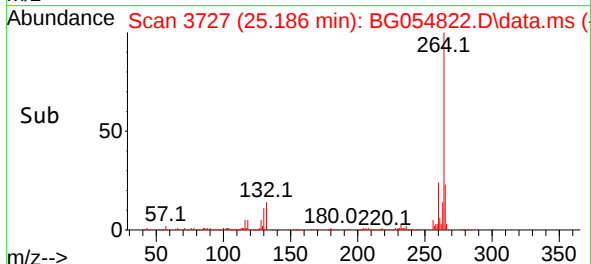
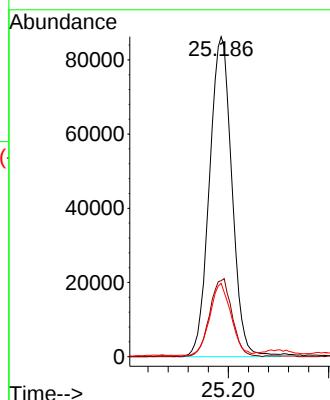
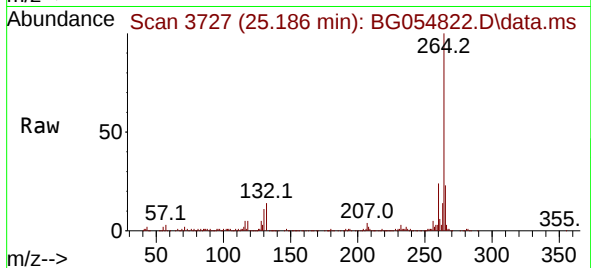
EP-3

Tgt Ion:264 Resp: 267818
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.9 29.9
 265 22.9 16.9 25.3

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#87

Indeno(1,2,3-cd)pyrene

Concen: 7.151 ng

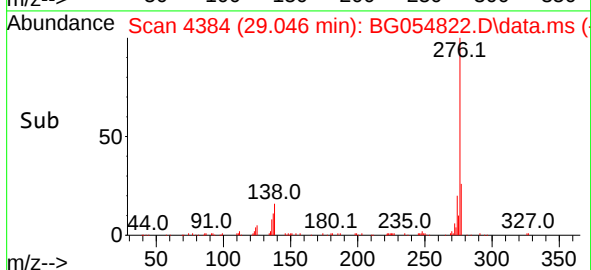
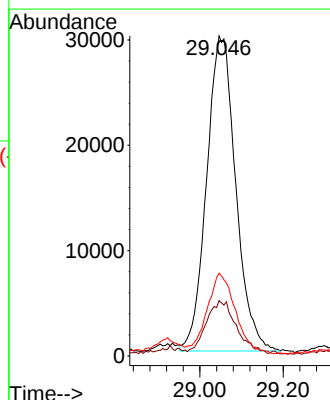
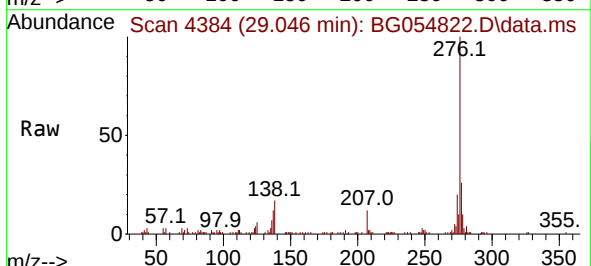
RT: 29.046 min Scan# 4384

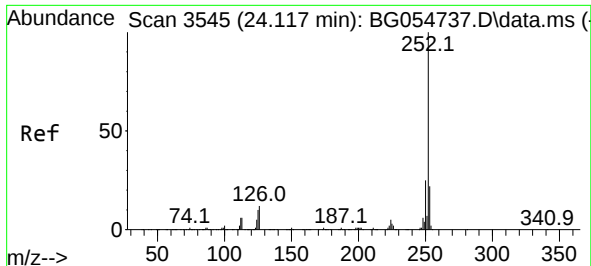
Delta R.T. -0.024 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

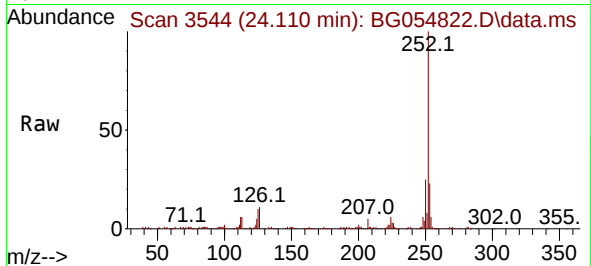
Tgt Ion:276 Resp: 145393
 Ion Ratio Lower Upper
 276 100
 138 17.6 12.0 18.0
 277 24.9 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 16.405 ng
RT: 24.110 min Scan# 3544
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

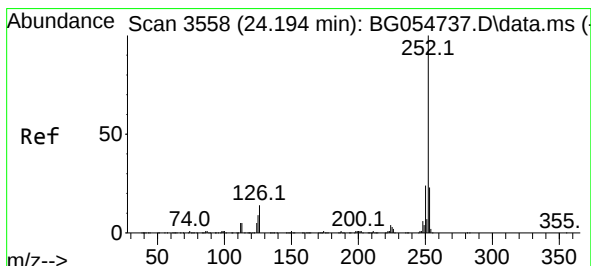
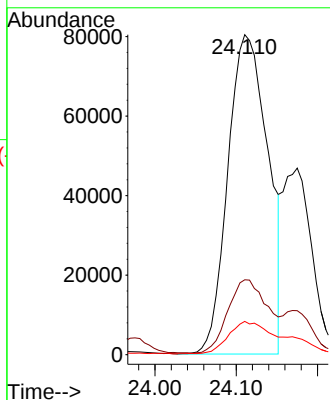
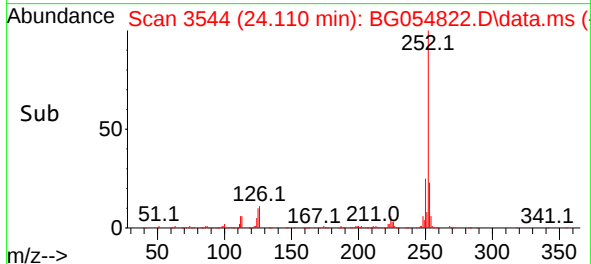
Instrument :
BNA_G
ClientSampleId :
EP-3



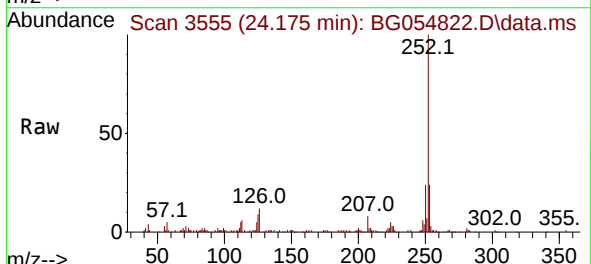
Tgt Ion:252 Resp: 275610
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 10.4 8.1 12.1

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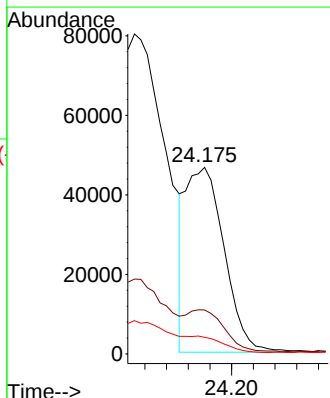
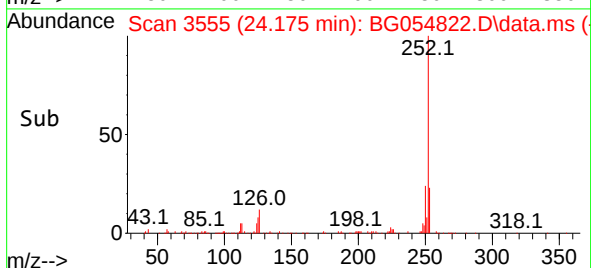
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

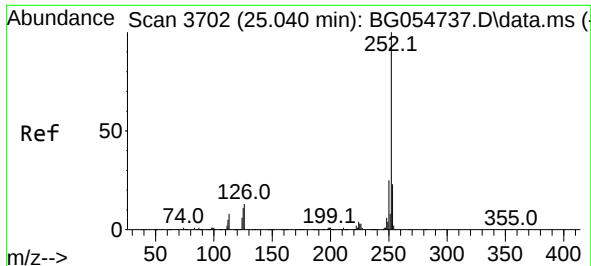


#89
Benzo(k)fluoranthene
Concen: 6.749 ng m
RT: 24.175 min Scan# 3555
Delta R.T. -0.018 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47



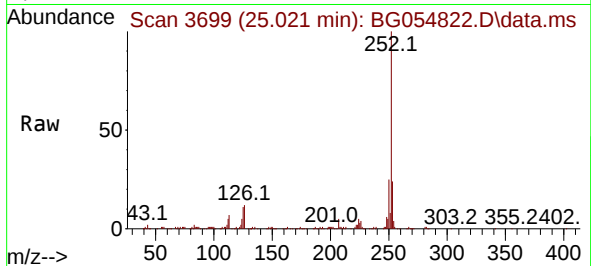
Tgt Ion:252 Resp: 114108
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 9.0 8.2 12.4





#90
Benzo(a)pyrene
Concen: 14.981 ng
RT: 25.021 min Scan# 30
Delta R.T. -0.018 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

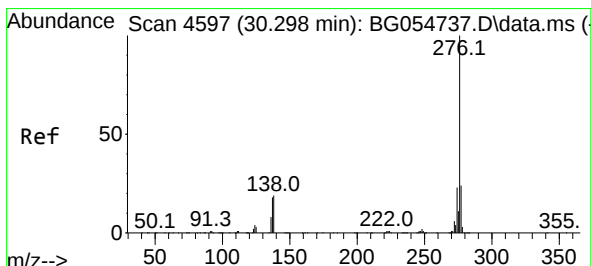
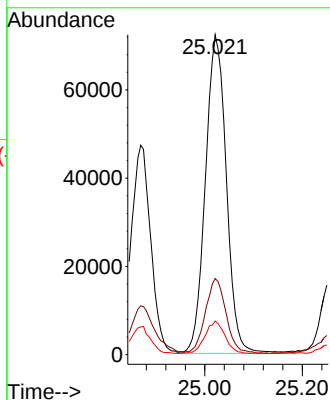
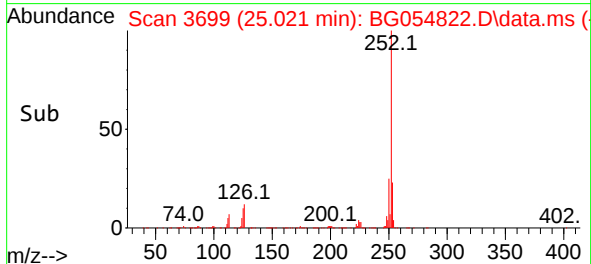
Instrument :
BNA_G
ClientSampleId :
EP-3



Tgt Ion:252 Resp: 215020
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 10.5 8.8 13.2

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#92
Benzo(g,h,i)perylene
Concen: 8.946 ng
RT: 30.268 min Scan# 4592
Delta R.T. -0.030 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:276 Resp: 149702
Ion Ratio Lower Upper
276 100
277 24.4 19.4 29.0
138 18.3 16.6 25.0

