

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054823.D
 Acq On : 1 Sep 2022 15:29
 Operator : CG/JU
 Sample : N4433-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-4

Manual Integrations
 APPROVED

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

Quant Time: Sep 01 16:05:44 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	43022	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	177771	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	116741	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	269766	20.000	ng	0.00
76) Chrysene-d12	21.819	240	258304	20.000	ng	0.00
86) Perylene-d12	25.186	264	273014	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	328896	133.124	ng	0.00
7) Phenol-d6	7.295	99	440880	130.486	ng	0.00
23) Nitrobenzene-d5	9.322	82	266881	78.811	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	200834	137.675	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	640186	82.423	ng	0.00
79) Terphenyl-d14	20.127	244	1063595	81.586	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.566	178	95191	6.624	ng	98
75) Fluoranthene	19.569	202	245233	14.028	ng	97
78) Pyrene	19.933	202	227694	12.642	ng	98
81) Benzo(a)anthracene	21.796	228	125186	7.148	ng	97
83) Chrysene	21.866	228	113426	6.773	ng	97
87) Indeno(1,2,3-cd)pyrene	29.046	276	78070	3.767	ng	# 92
88) Benzo(b)fluoranthene	24.105	252	158213	9.238	ng	99
89) Benzo(k)fluoranthene	24.176	252	53091m	3.080	ng	
90) Benzo(a)pyrene	25.022	252	113831	7.780	ng	100
92) Benzo(g,h,i)perylene	30.268	276	78933	4.627	ng	96

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

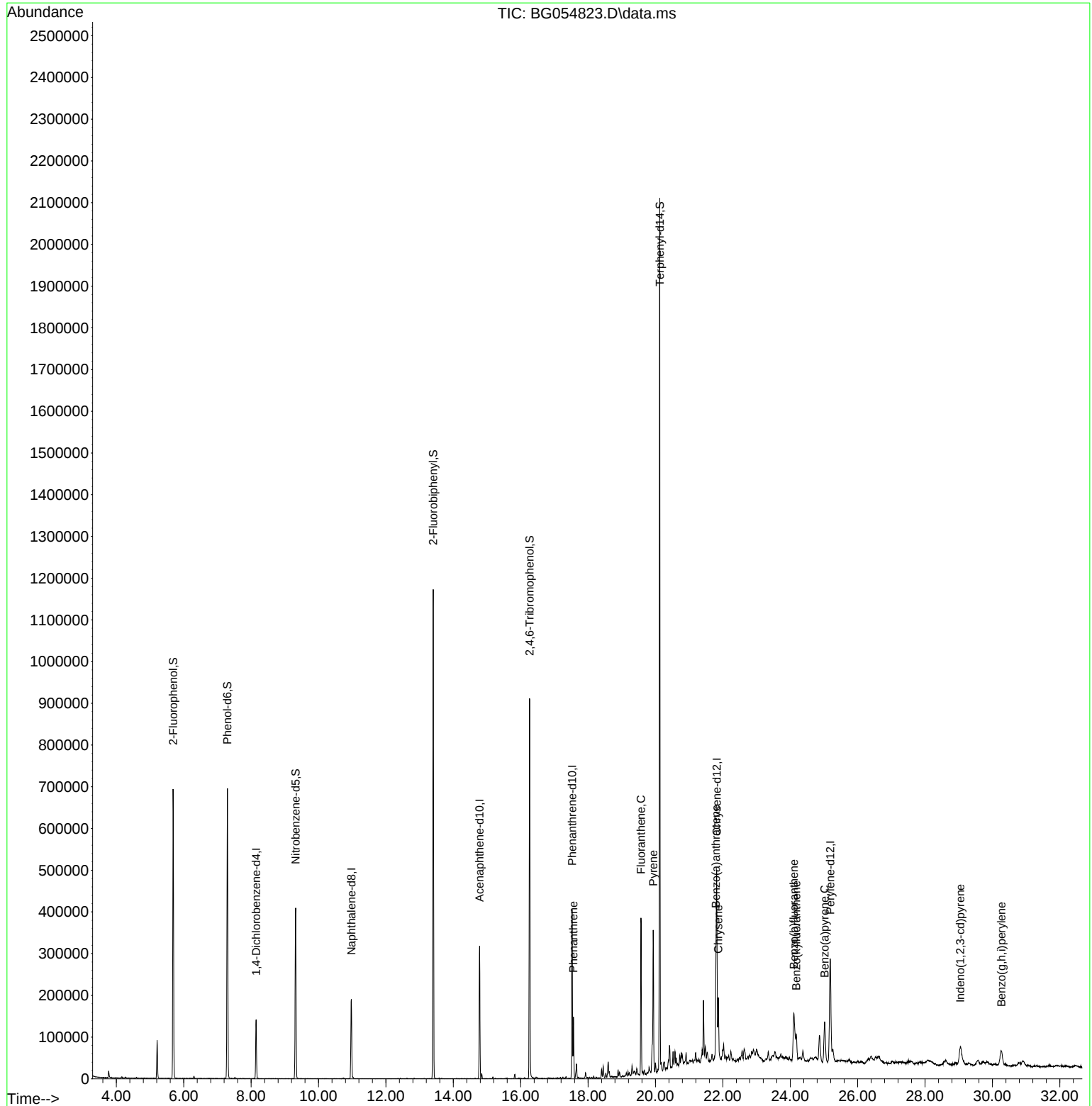
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054823.D
Acq On : 1 Sep 2022 15:29
Operator : CG/JU
Sample : N4433-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

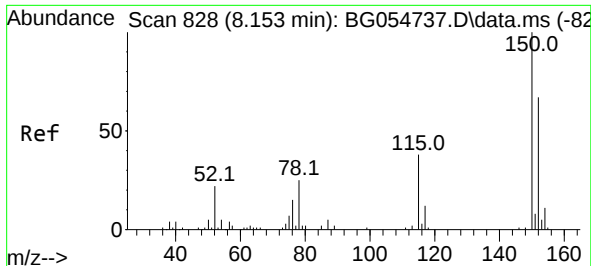
Instrument :
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Quant Time: Sep 01 16:05:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
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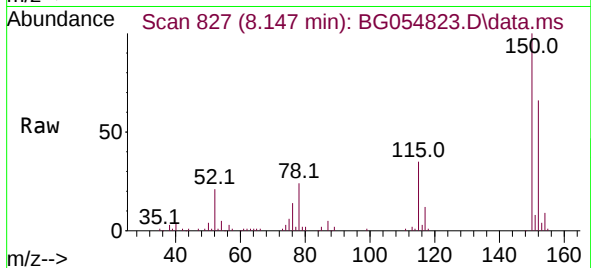
Reviewed By : Christian Giraldo 09/02/2022
Supervised By : Jagrut Upadhyay 09/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

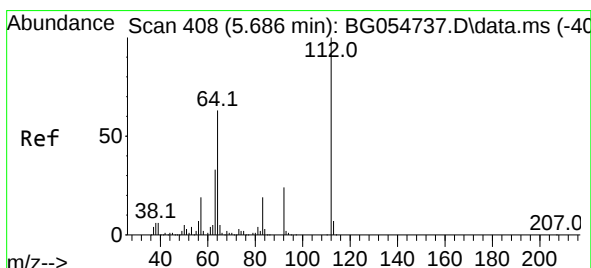
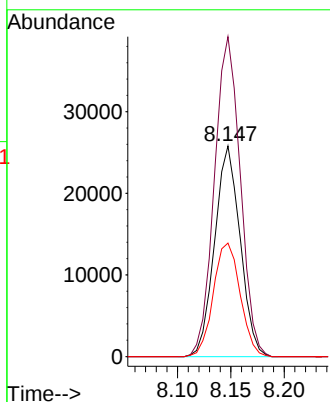
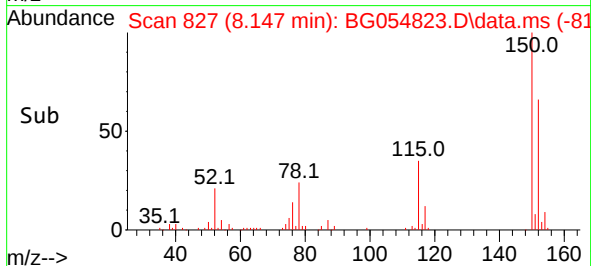
Instrument :
BNA_G
ClientSampleId :
EP-4



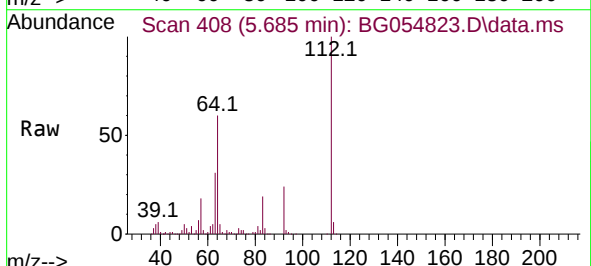
Tgt Ion:152 Resp: 43022
Ion Ratio Lower Upper
152 100
150 151.9 125.2 187.8
115 53.9 47.9 71.9

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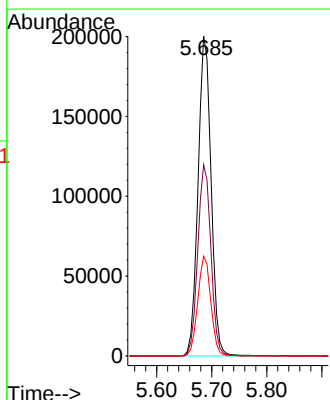
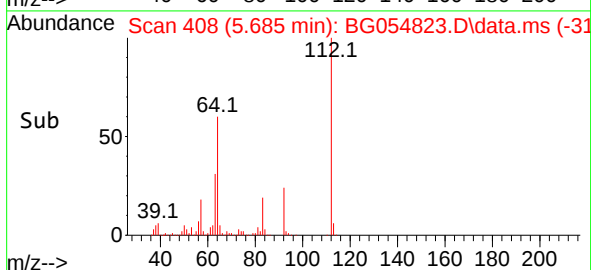
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

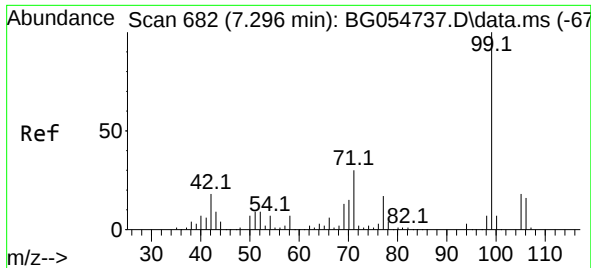


#5
2-Fluorophenol
Concen: 133.124 ng
RT: 5.685 min Scan# 408
Delta R.T. -0.000 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29



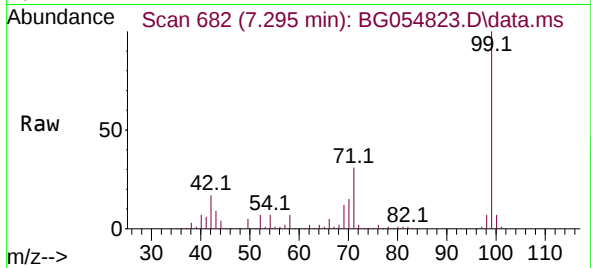
Tgt Ion:112 Resp: 328896
Ion Ratio Lower Upper
112 100
64 59.7 49.3 73.9
63 31.2 26.3 39.5





#7
Phenol-d6
Concen: 130.486 ng
RT: 7.295 min Scan# 682
Delta R.T. -0.000 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

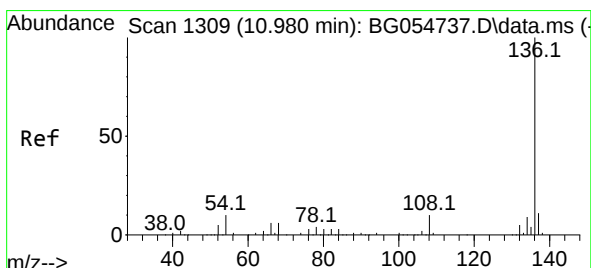
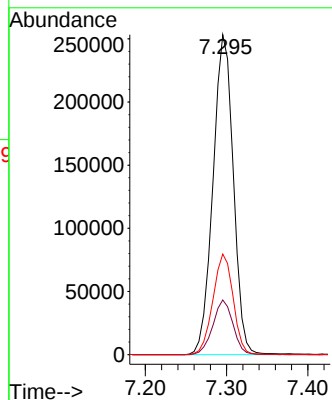
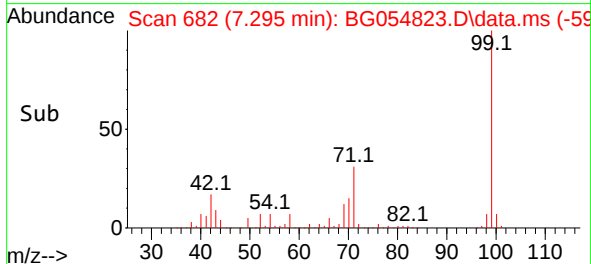
Instrument :
BNA_G
ClientSampleId :
EP-4



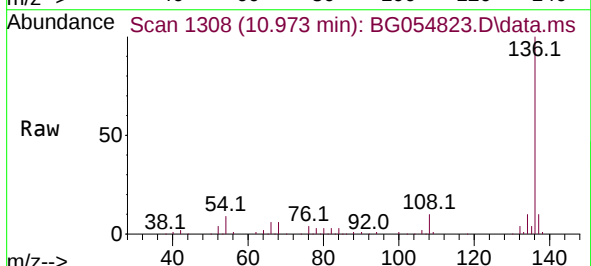
Tgt Ion: 99 Resp: 440880
Ion Ratio Lower Upper
99 100
42 17.1 14.6 22.0
71 31.4 24.6 37.0

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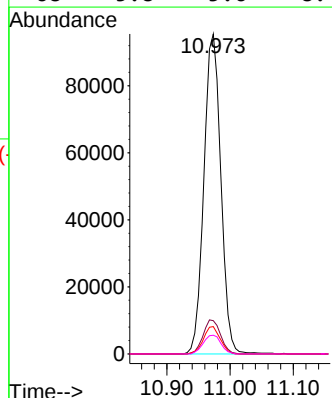
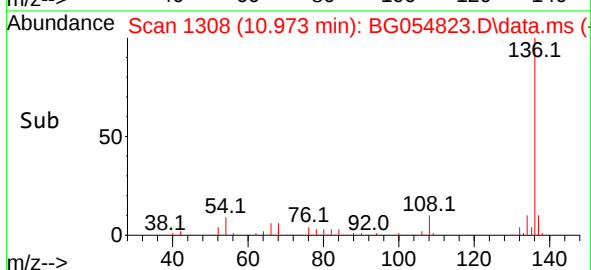
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

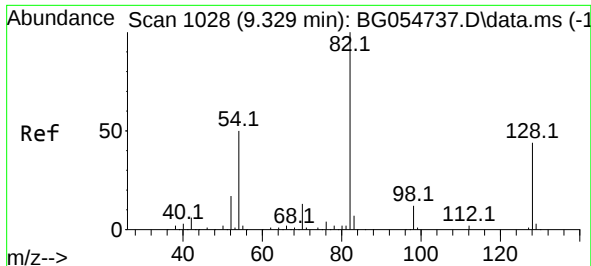


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 1308
Delta R.T. -0.007 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29



Tgt Ion:136 Resp: 177771
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 8.5 7.7 11.5
68 5.8 5.6 8.4





#23
Nitrobenzene-d5
Concen: 78.811 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Instrument :

BNA_G

ClientSampleId :

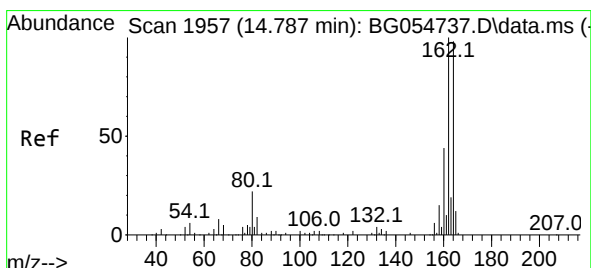
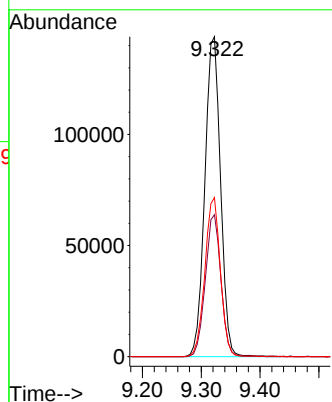
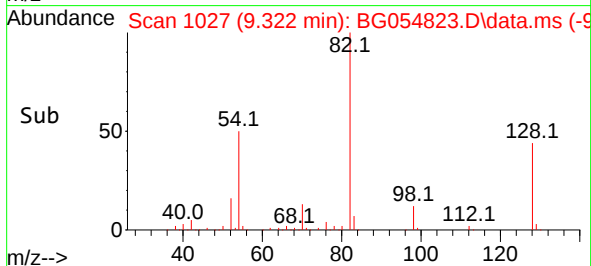
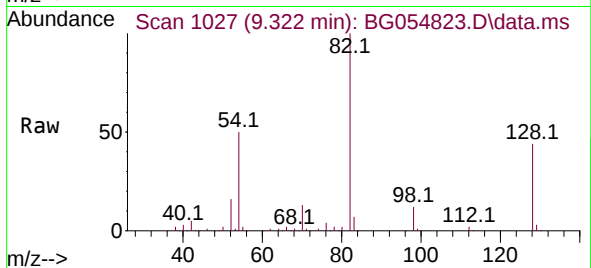
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Tgt Ion: 82 Resp: 26688
Ion Ratio Lower Upper
82 100
128 44.3 32.2 48.2
54 49.7 41.4 62.0

Manual Integrations

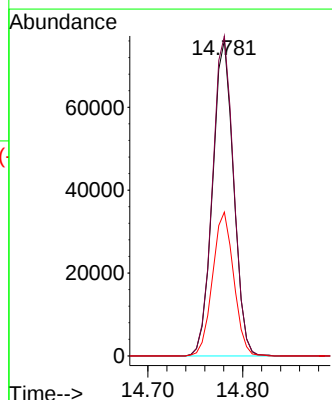
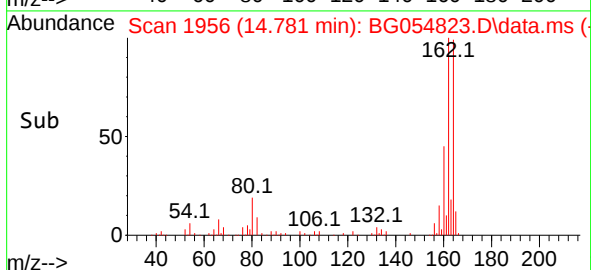
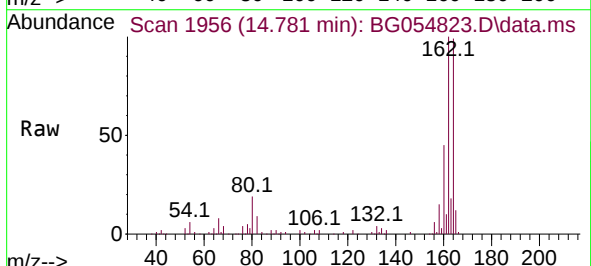
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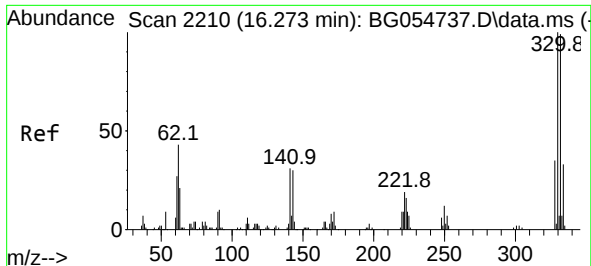
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion:164 Resp: 116741
Ion Ratio Lower Upper
164 100
162 101.4 83.0 124.4
160 45.6 38.0 57.0





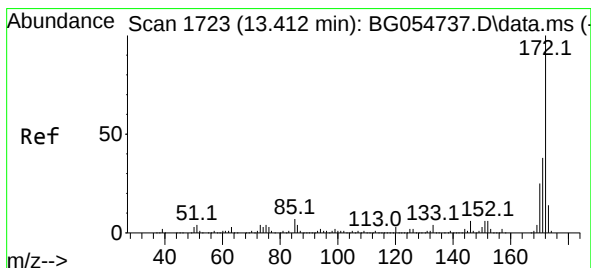
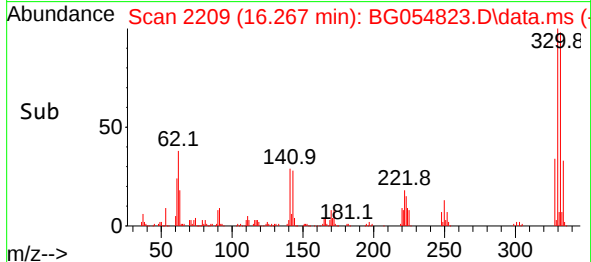
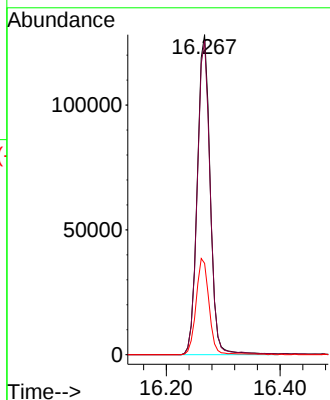
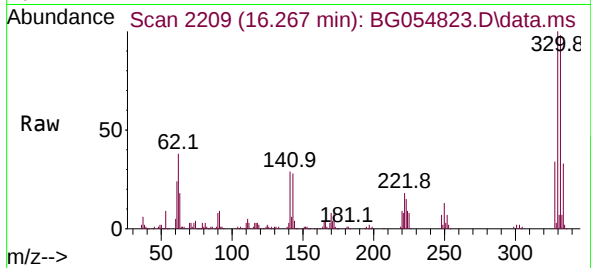
#42
2,4,6-Tribromophenol
Concen: 137.675 ng
RT: 16.267 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Instrument :
BNA_G
ClientSampleId :
EP-4

Tgt Ion:330 Resp: 200834
Ion Ratio Lower Upper
330 100
332 97.7 79.8 119.6
141 30.3 26.8 40.2

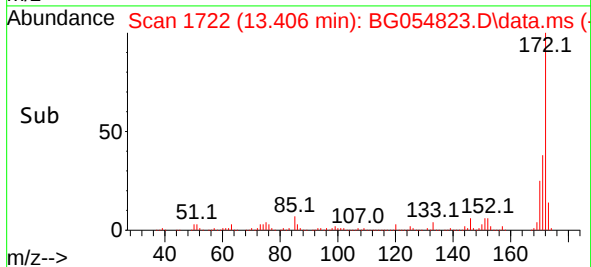
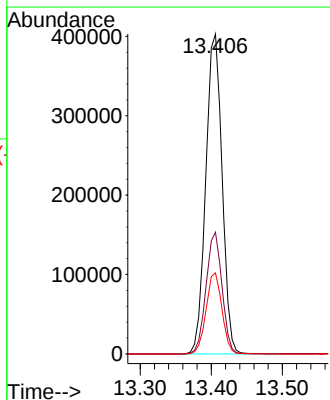
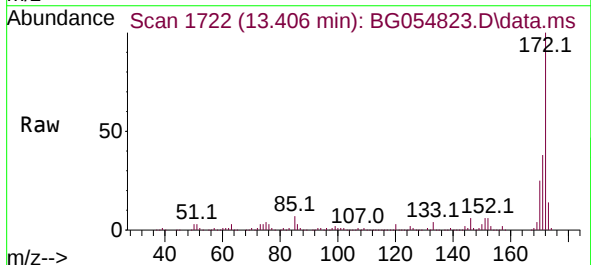
Manual Integrations
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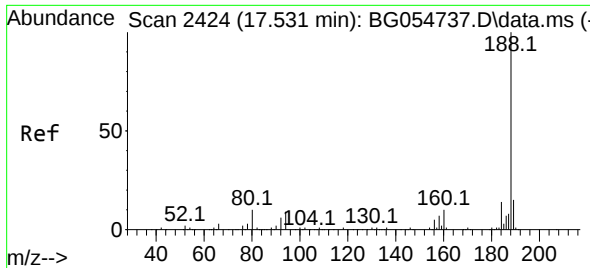
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#45
2-Fluorobiphenyl
Concen: 82.423 ng
RT: 13.406 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

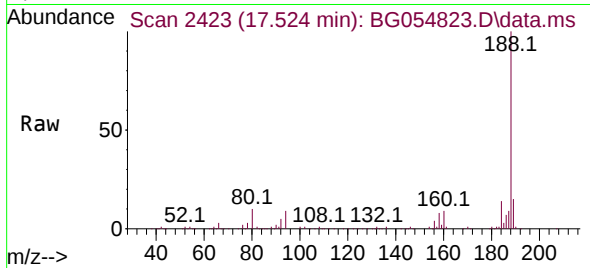
Tgt Ion:172 Resp: 640186
Ion Ratio Lower Upper
172 100
171 38.0 31.2 46.8
170 25.3 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.524 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

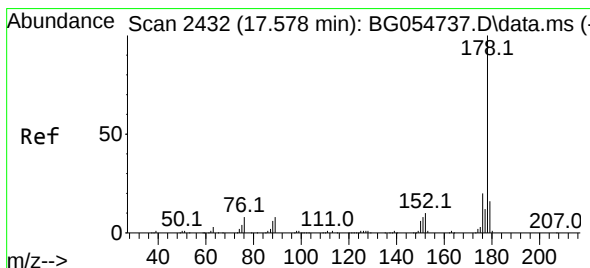
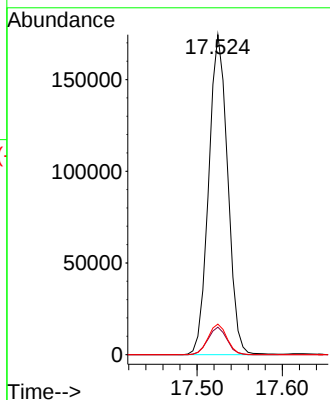
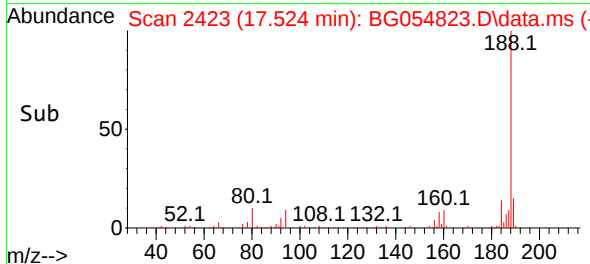
Instrument :
BNA_G
ClientSampleId :
EP-4



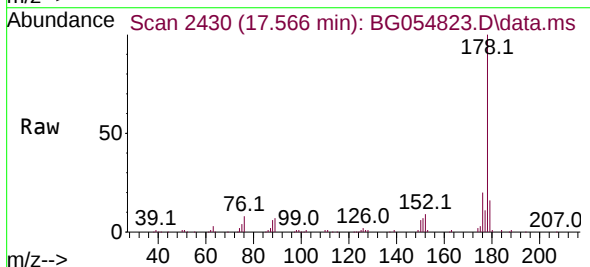
Tgt Ion:188 Resp: 269766
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.5 7.9 11.9

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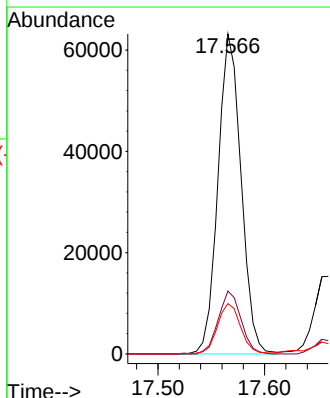
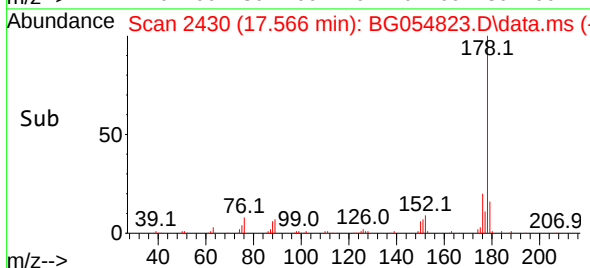
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

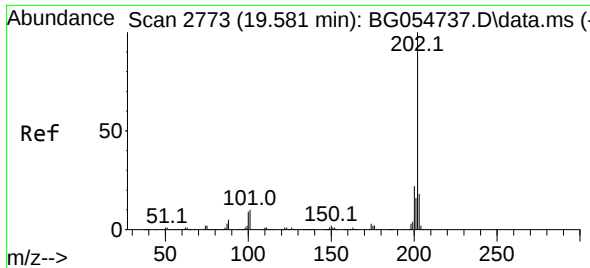


#71
Phenanthrene
Concen: 6.624 ng
RT: 17.566 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29



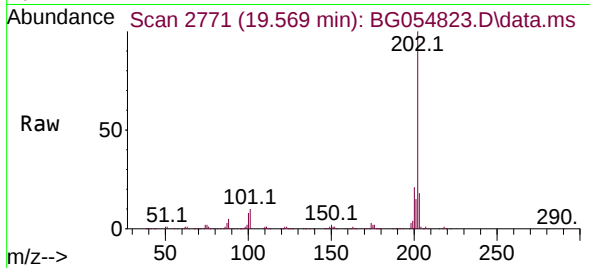
Tgt Ion:178 Resp: 95191
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 15.7 12.8 19.2





#75
Fluoranthene
Concen: 14.028 ng
RT: 19.569 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

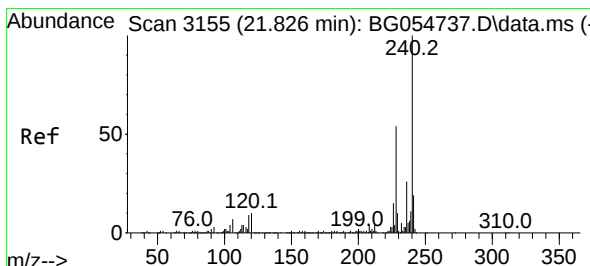
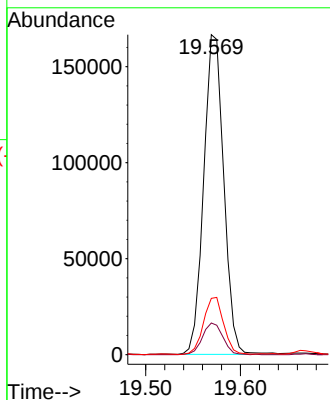
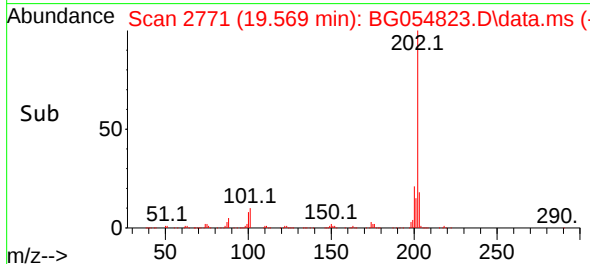
Instrument :
BNA_G
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EP-4



Tgt Ion:202 Resp: 245233
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.4
203 17.6 0.0 38.6

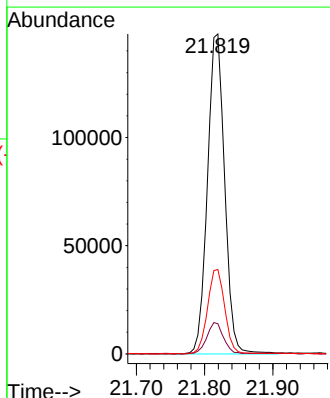
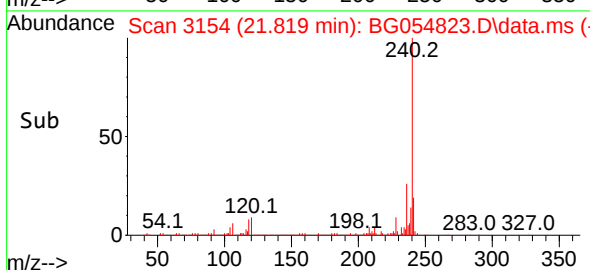
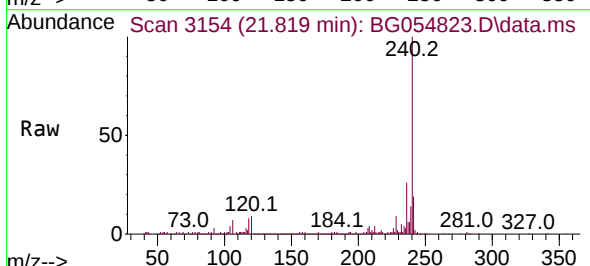
Manual Integrations
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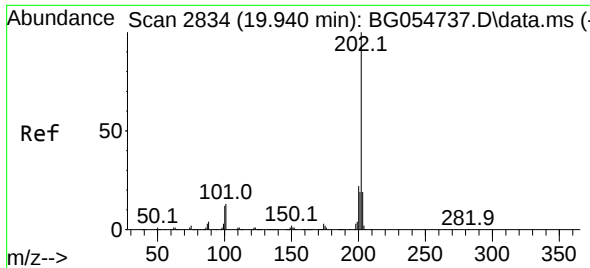
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

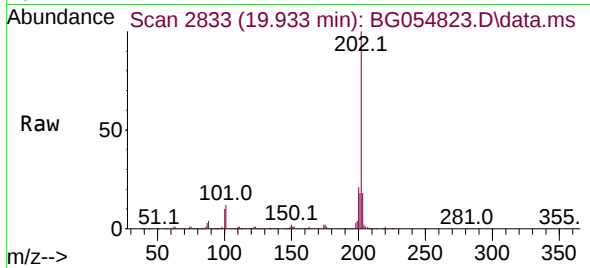
Tgt Ion:240 Resp: 258304
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.4
236 26.4 21.2 31.8





#78
Pyrene
Concen: 12.642 ng
RT: 19.933 min Scan# 2833
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

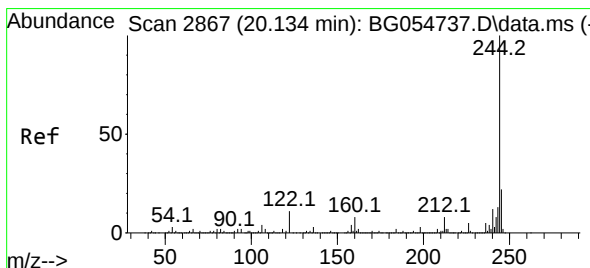
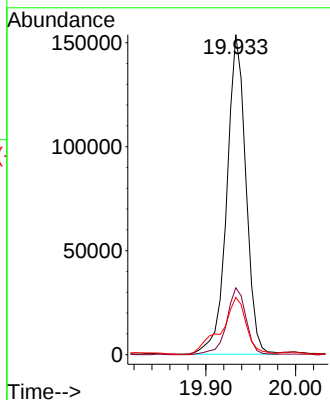
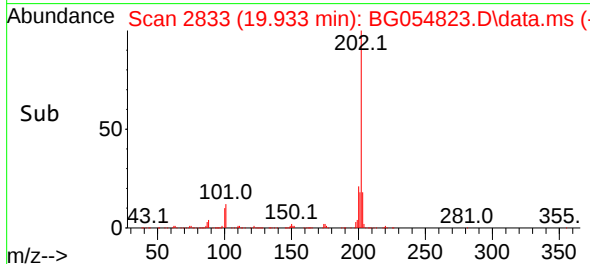
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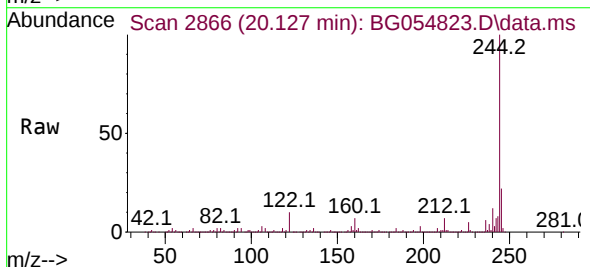
Tgt Ion:202 Resp: 227694
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 17.9 14.6 21.8

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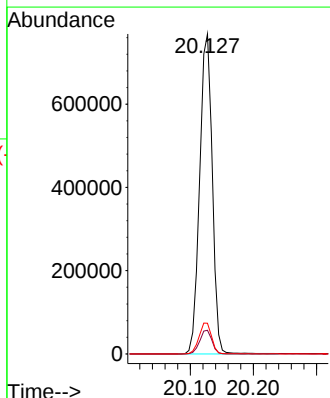
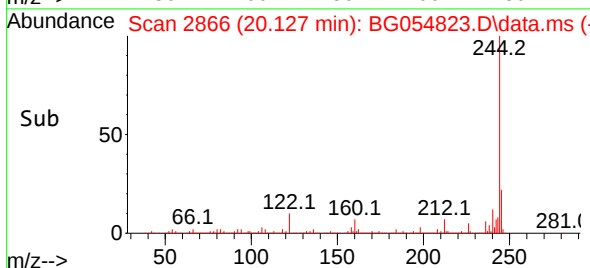
Reviewed By :Christian Giraldo 09/02/2022
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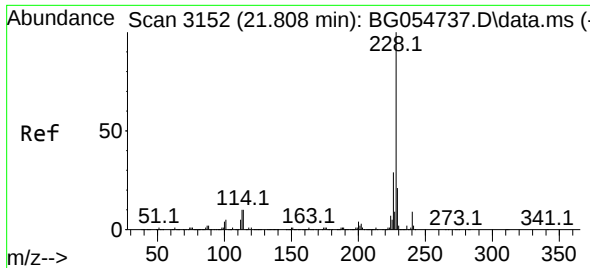


#79
Terphenyl-d14
Concen: 81.586 ng
RT: 20.127 min Scan# 2866
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29



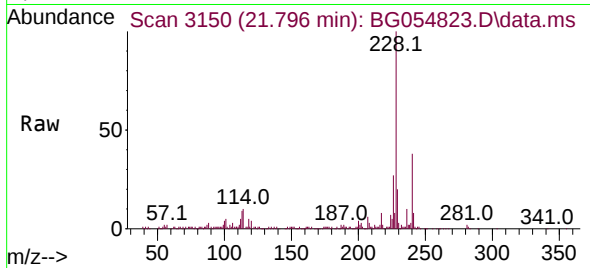
Tgt Ion:244 Resp: 1063595
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 9.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 7.148 ng
RT: 21.796 min Scan# 3152
Delta R.T. -0.012 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

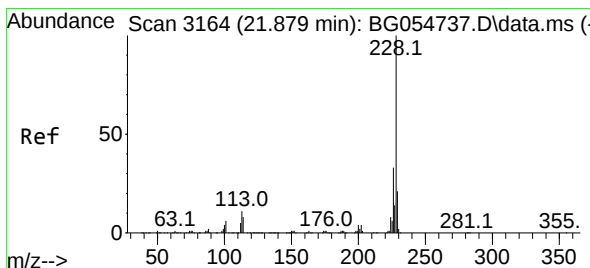
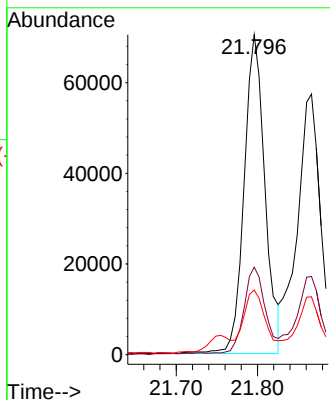
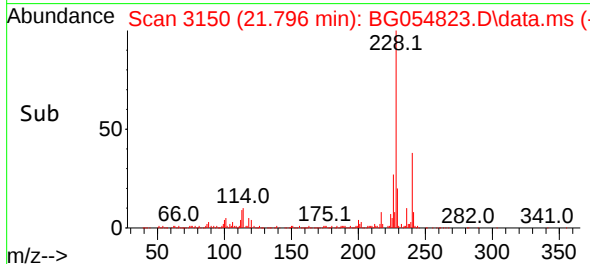
Instrument :
BNA_G
ClientSampleId :
EP-4



Tgt Ion:228 Resp: 125186
Ion Ratio Lower Upper
228 100
226 27.3 23.4 35.2
229 20.2 16.5 24.7

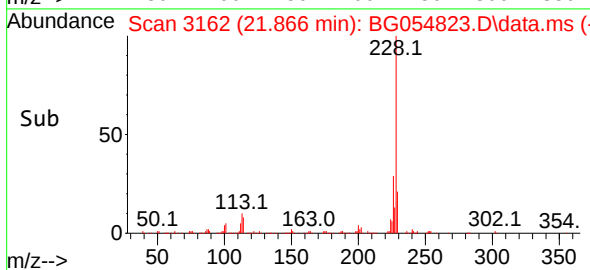
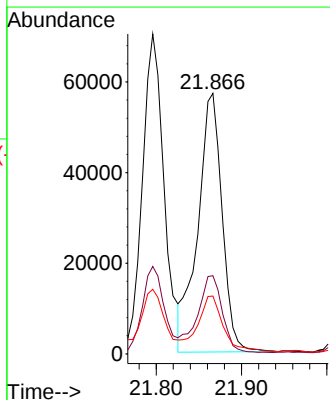
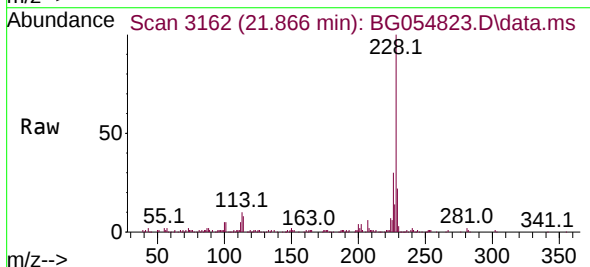
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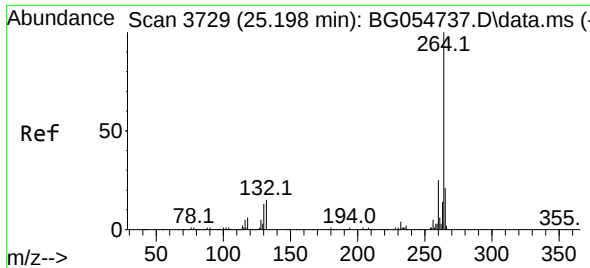
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#83
Chrysene
Concen: 6.773 ng
RT: 21.866 min Scan# 3162
Delta R.T. -0.012 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

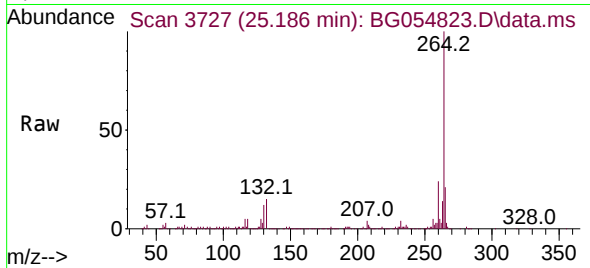
Tgt Ion:228 Resp: 113426
Ion Ratio Lower Upper
228 100
226 30.0 25.5 38.3
229 22.2 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

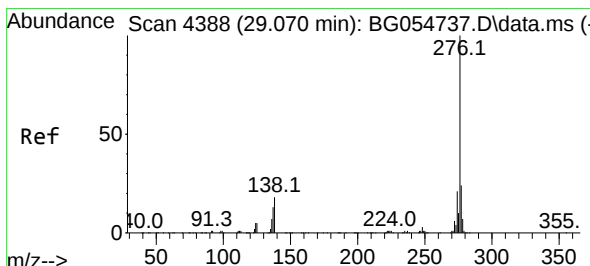
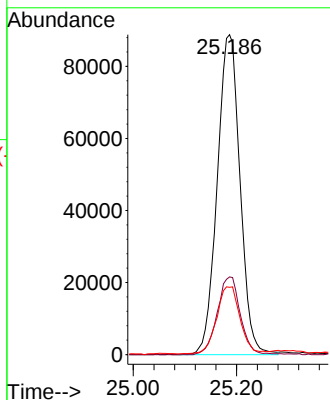
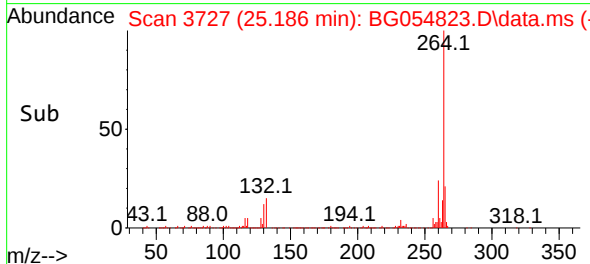
Instrument :
BNA_G
ClientSampleId :
EP-4



Tgt Ion:264 Resp: 273014
Ion Ratio Lower Upper
264 100
260 24.3 19.9 29.9
265 21.0 16.9 25.3

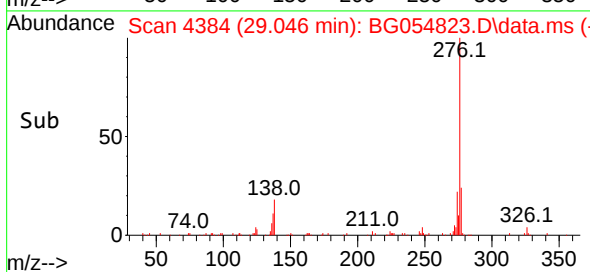
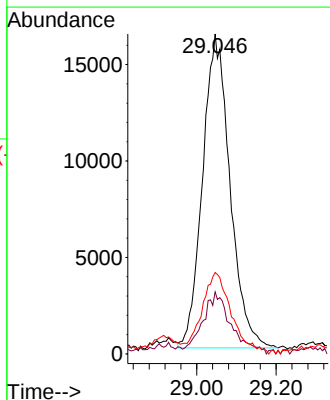
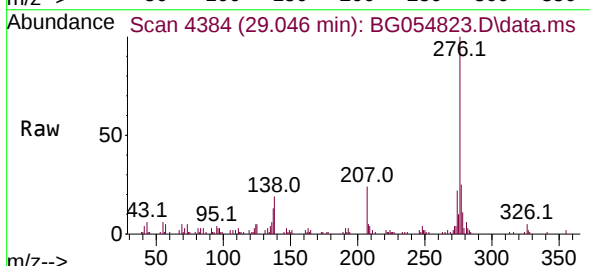
Manual Integrations
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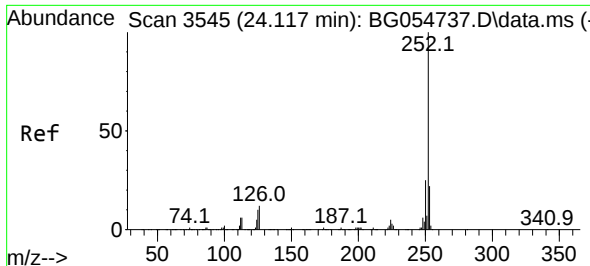
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.767 ng
RT: 29.046 min Scan# 4384
Delta R.T. -0.024 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

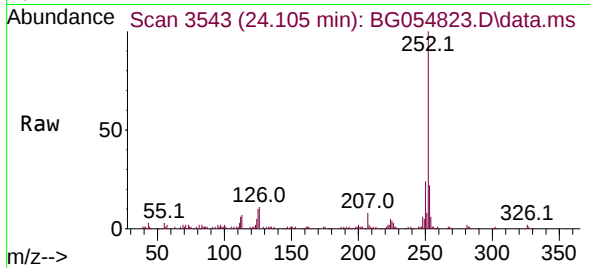
Tgt Ion:276 Resp: 78070
Ion Ratio Lower Upper
276 100
138 20.6 12.0 18.0#
277 27.7 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 9.238 ng
RT: 24.105 min Scan# 3545
Delta R.T. -0.012 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

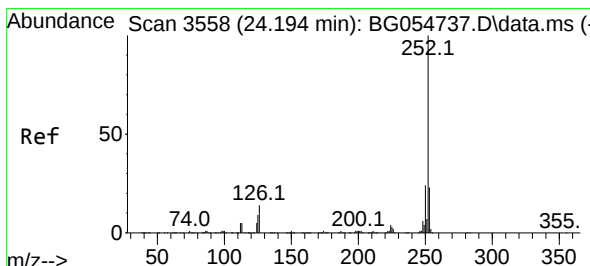
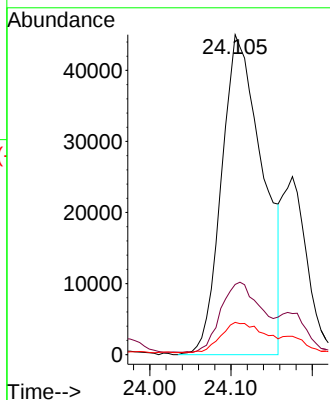
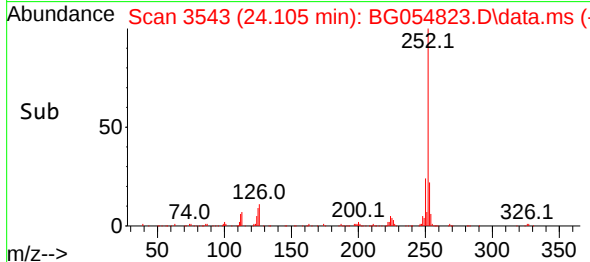
Instrument :
BNA_G
ClientSampleId :
EP-4



Tgt Ion:252 Resp: 158213
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 10.1 8.1 12.1

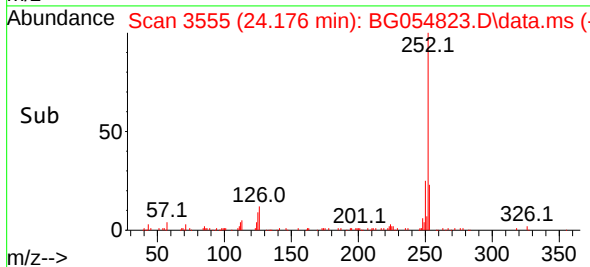
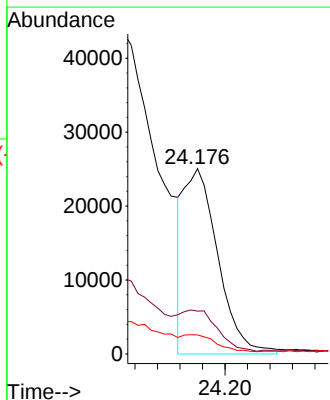
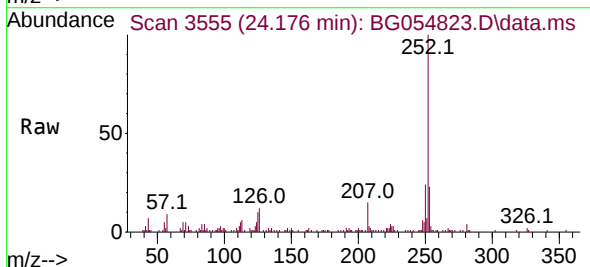
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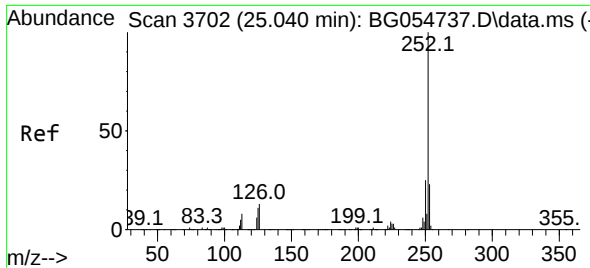
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#89
Benzo(k)fluoranthene
Concen: 3.080 ng m
RT: 24.176 min Scan# 3555
Delta R.T. -0.018 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

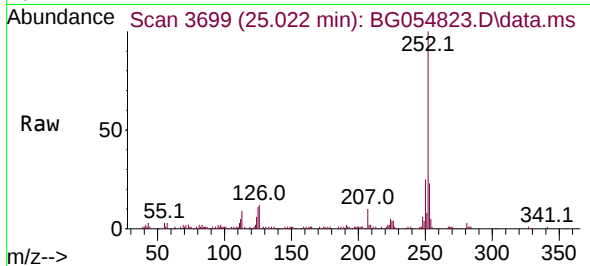
Tgt Ion:252 Resp: 53091
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.3 8.2 12.4





#90
Benzo(a)pyrene
Concen: 7.780 ng
RT: 25.022 min Scan# 3699
Delta R.T. -0.018 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

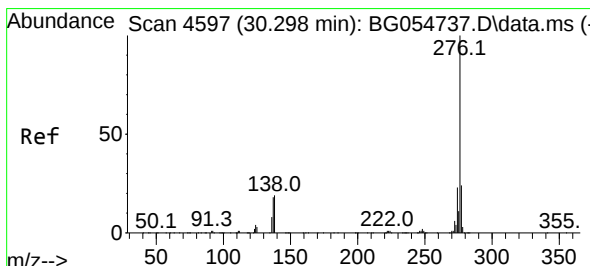
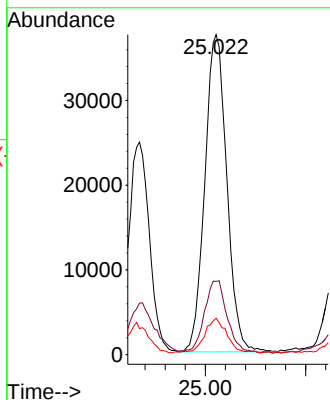
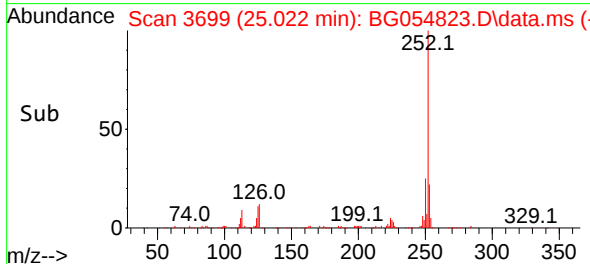
Instrument :
BNA_G
ClientSampleId :
EP-4



Tgt Ion:252 Resp: 11383
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 11.4 8.8 13.2

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



#92
Benzo(g,h,i)perylene
Concen: 4.627 ng
RT: 30.268 min Scan# 4592
Delta R.T. -0.030 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion:276 Resp: 78933
Ion Ratio Lower Upper
276 100
277 24.5 19.4 29.0
138 16.7 16.6 25.0

