

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054808.D
 Acq On : 31 Aug 2022 16:00
 Operator : CG/JU
 Sample : N4433-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-BLIND-DUPLICATE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/01/2022
 Supervised By : Jagrut Upadhyay 09/01/2022

Quant Time: Sep 01 05:03:21 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	8.153	152	51795	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	219422	20.000	ng	0.00
39) Acenaphthene-d10	14.786	164	148353	20.000	ng	0.00
64) Phenanthrene-d10	17.530	188	321551	20.000	ng	0.00
76) Chrysene-d12	21.825	240	298863	20.000	ng	0.00
86) Perylene-d12	25.203	264	315381	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	365459	122.868	ng	0.00
7) Phenol-d6	7.301	99	500674	123.084	ng	0.00
23) Nitrobenzene-d5	9.322	82	298062	71.311	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	222825	120.201	ng	0.00
45) 2-Fluorobiphenyl	13.411	172	738849	74.855	ng	0.00
79) Terphenyl-d14	20.133	244	1155170	76.585	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.571	178	131341	7.668	ng	98
75) Fluoranthene	19.580	202	310629	14.907	ng	97
78) Pyrene	19.939	202	274107	13.153	ng	98
81) Benzo(a)anthracene	21.807	228	143341	7.074	ng	99
83) Chrysene	21.872	228	127898	6.601	ng	97
87) Indeno(1,2,3-cd)pyrene	29.069	276	90155	3.765	ng	97
88) Benzo(b)fluoranthene	24.122	252	178702	9.033	ng	97
89) Benzo(k)fluoranthene	24.187	252	62458m	3.137	ng	
90) Benzo(a)pyrene	25.039	252	126872	7.506	ng	98
92) Benzo(g,h,i)perylene	30.280	276	93714	4.756	ng	97

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

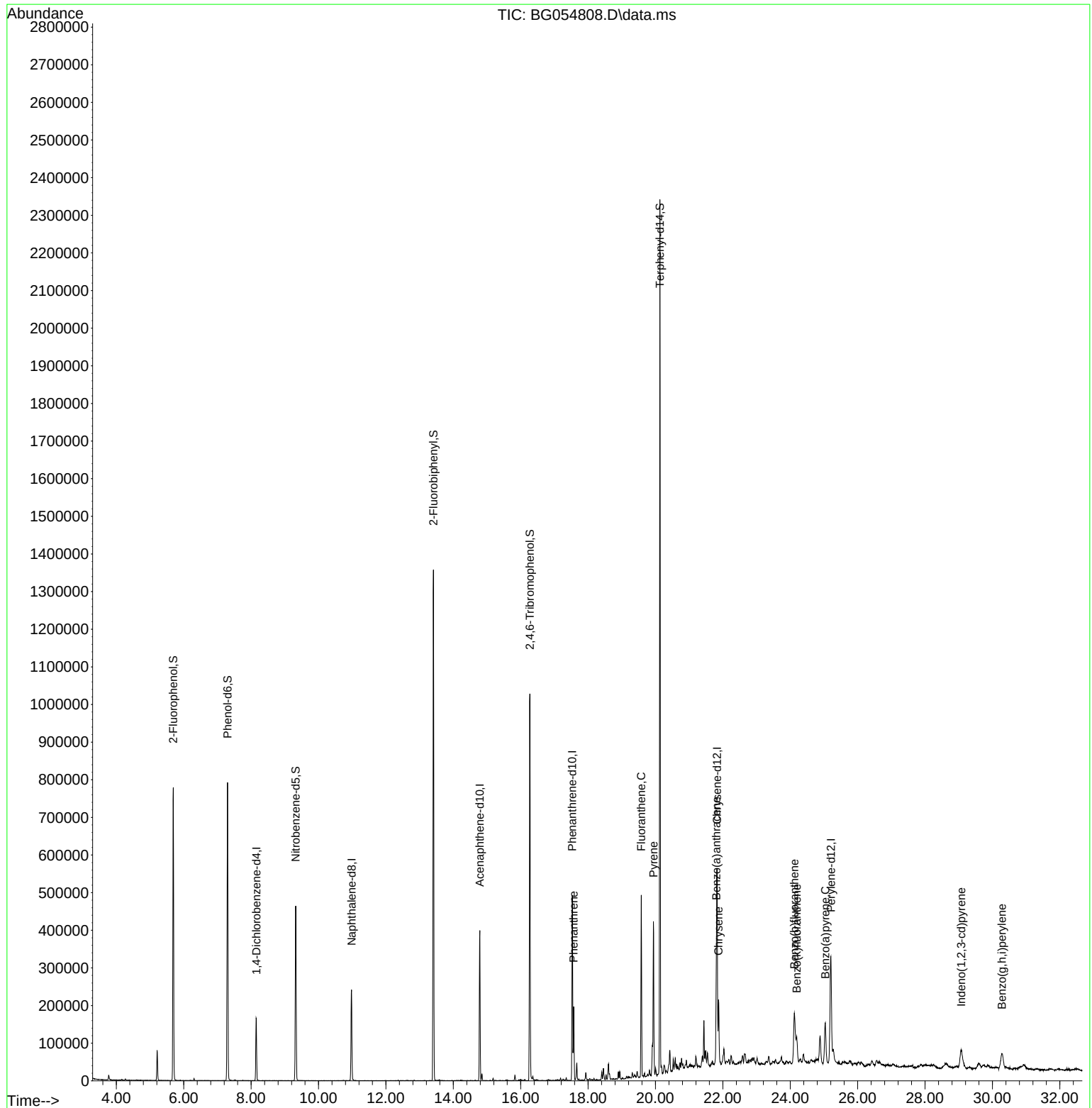
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
Data File : BG054808.D
Acq On : 31 Aug 2022 16:00
Operator : CG/JU
Sample : N4433-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

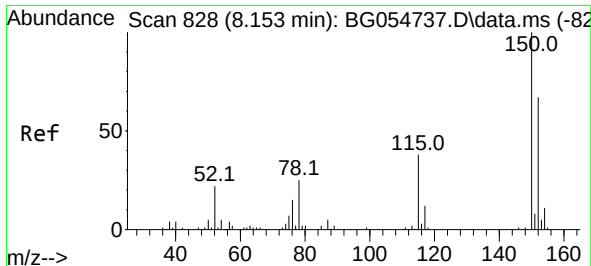
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

Quant Time: Sep 01 05:03:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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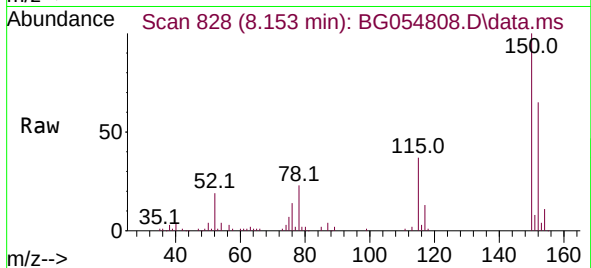
Reviewed By : Christian Giraldo 09/01/2022
Supervised By : Jagrut Upadhyay 09/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

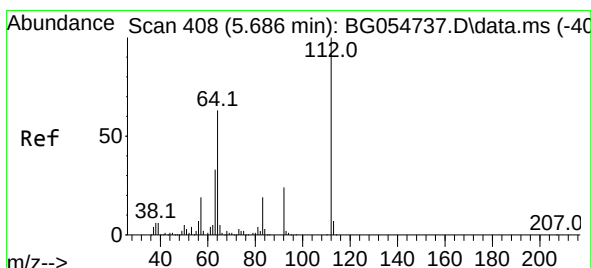
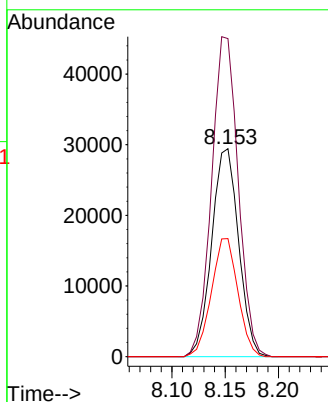
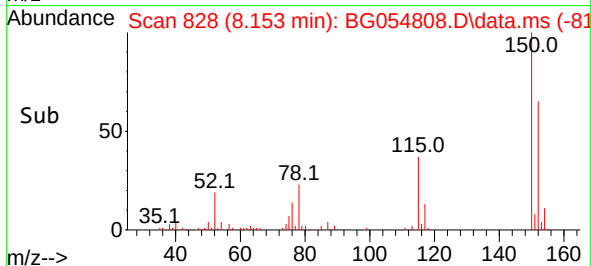
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE



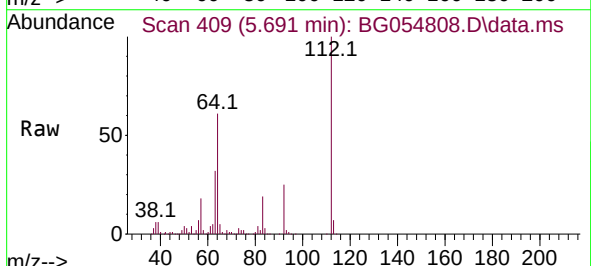
Tgt Ion:152 Resp: 51795
Ion Ratio Lower Upper
152 100
150 153.0 125.2 187.8
115 56.7 47.9 71.9

Manual Integrations
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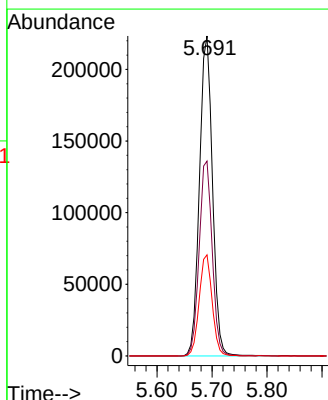
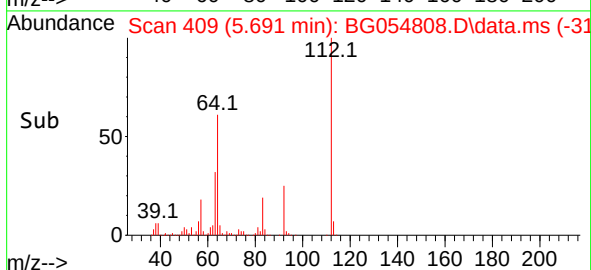
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

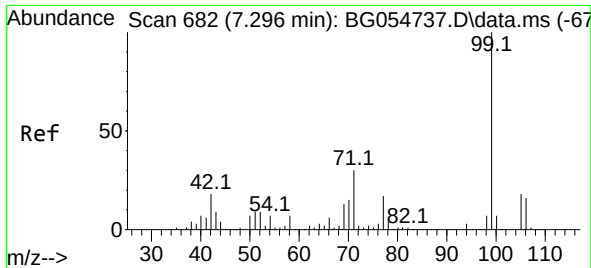


#5
2-Fluorophenol
Concen: 122.868 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00



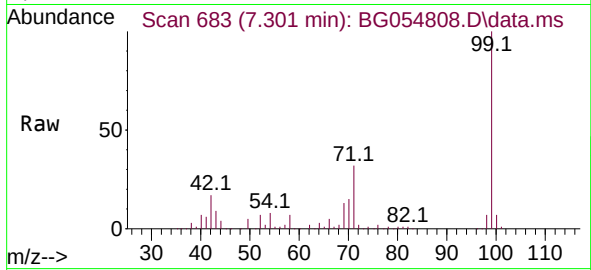
Tgt Ion:112 Resp: 365459
Ion Ratio Lower Upper
112 100
64 60.9 49.3 73.9
63 31.6 26.3 39.5





#7
Phenol-d6
Concen: 123.084 ng
RT: 7.301 min Scan# 683
Delta R.T. 0.005 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

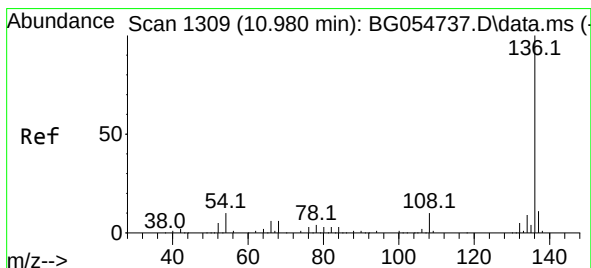
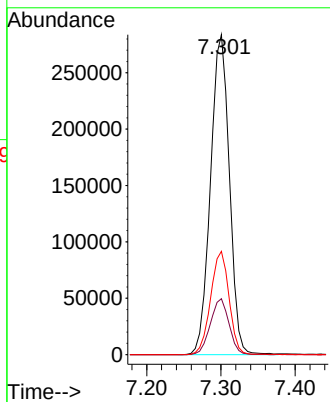
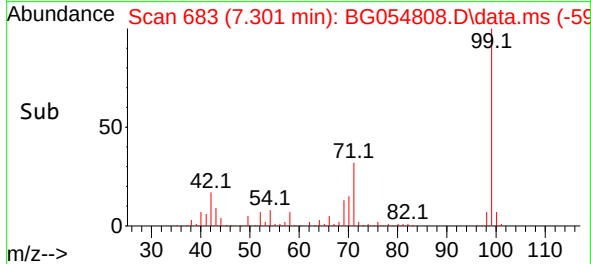
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 99 Resp: 500674
Ion Ratio Lower Upper
99 100
42 17.5 14.6 22.0
71 32.3 24.6 37.0

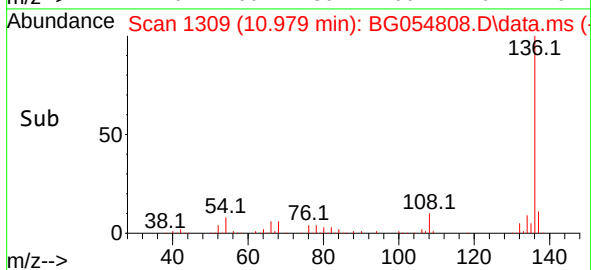
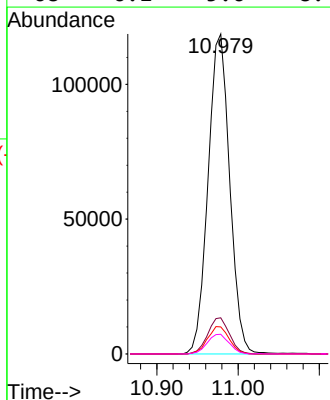
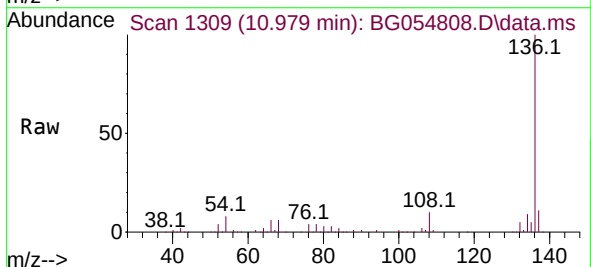
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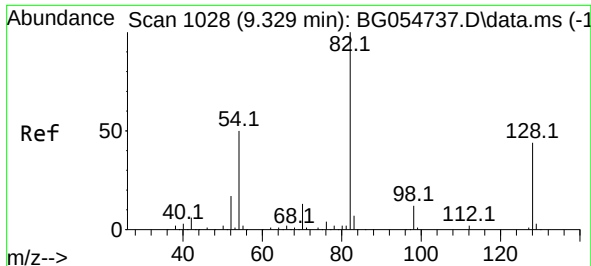
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1309
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:136 Resp: 219422
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 8.4 7.7 11.5
68 6.1 5.6 8.4





#23

Nitrobenzene-d5

Concen: 71.311 ng

RT: 9.322 min Scan# 1028

Delta R.T. -0.007 min

Lab File: BG054808.D

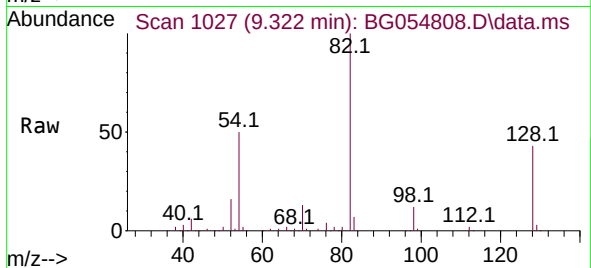
Acq: 31 Aug 2022 16:00

Instrument :

BNA_G

ClientSampleId :

EP-BLIND-DUPLICATE



Tgt Ion: 82 Resp: 298062

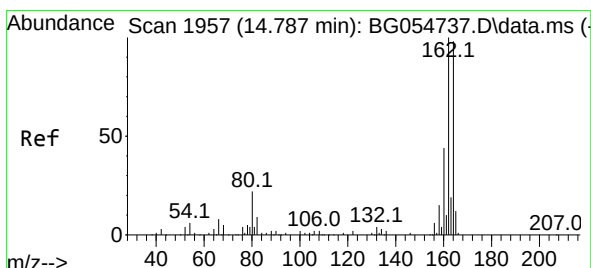
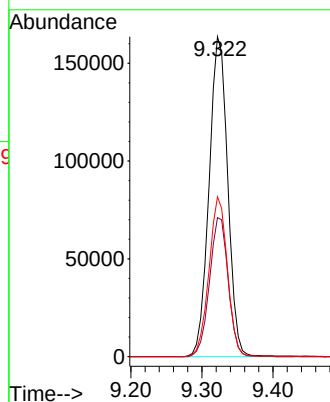
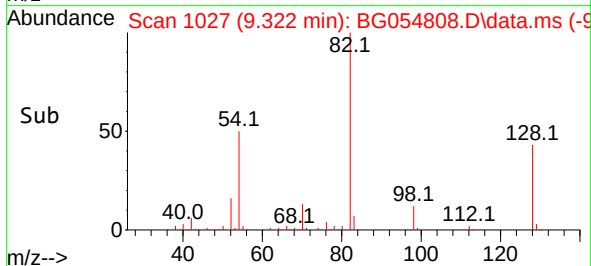
Ion	Ratio	Lower	Upper
82	100		
128	43.4	32.2	48.2
54	49.9	41.4	62.0

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Supervised By :Jagrut Upadhyay 09/01/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.786 min Scan# 1957

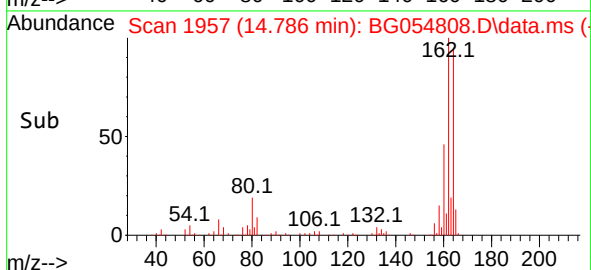
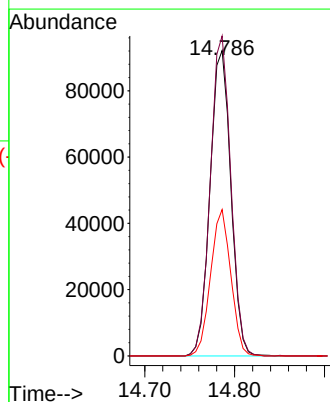
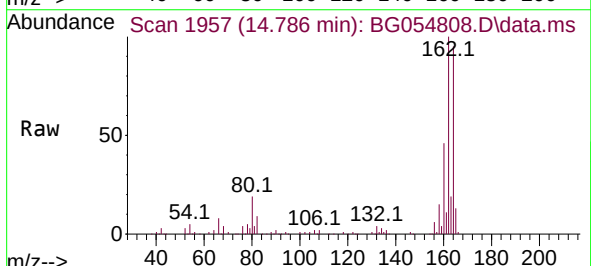
Delta R.T. -0.001 min

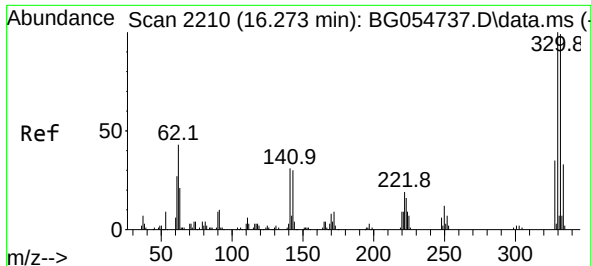
Lab File: BG054808.D

Acq: 31 Aug 2022 16:00

Tgt Ion:164 Resp: 148353

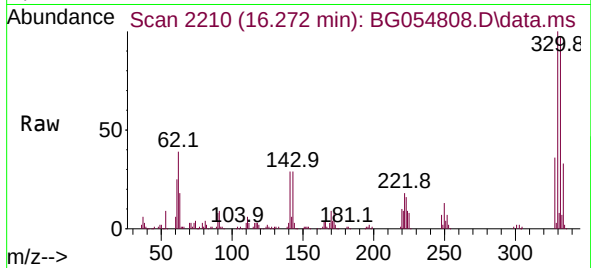
Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.0	124.4
160	47.9	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 120.201 ng
RT: 16.272 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

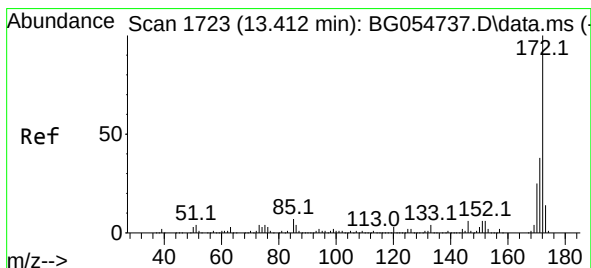
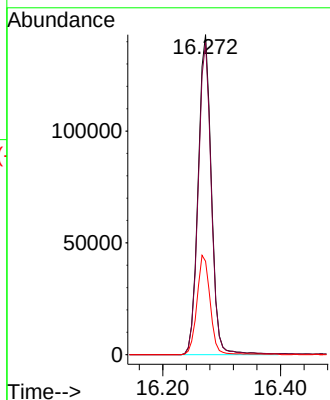
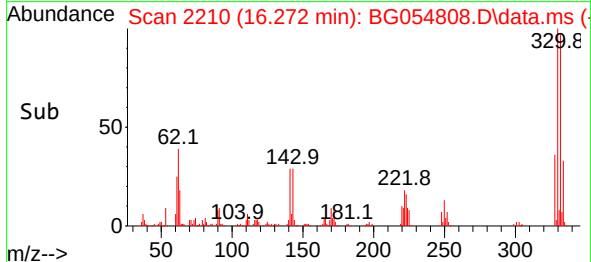
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE



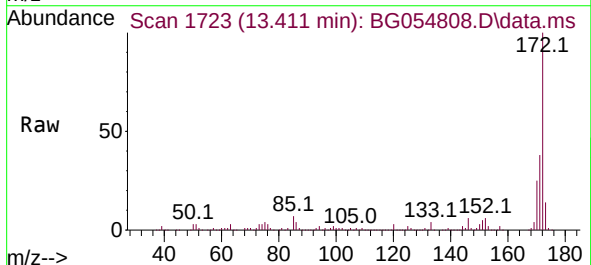
Tgt Ion: 330 Resp: 222825
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 30.9 26.8 40.2

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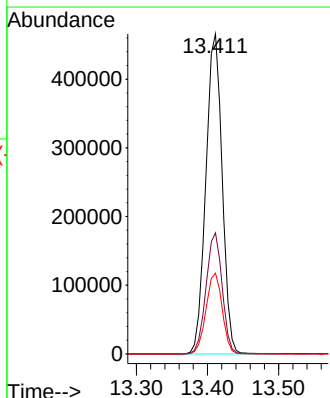
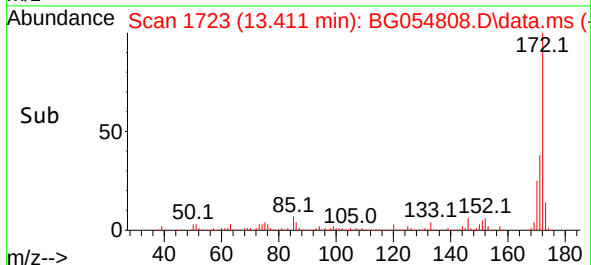
Reviewed By : Christian Giraldo 09/01/2022
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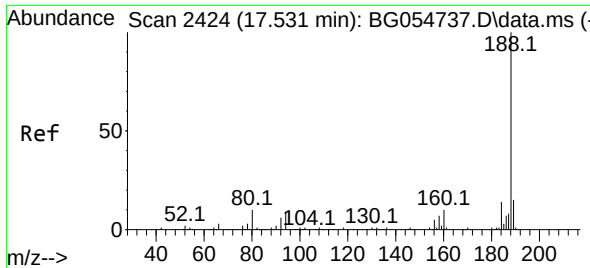


#45
2-Fluorobiphenyl
Concen: 74.855 ng
RT: 13.411 min Scan# 1723
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00



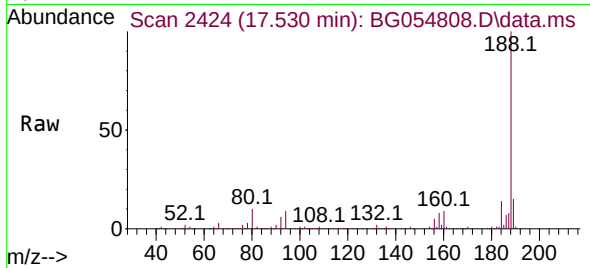
Tgt Ion: 172 Resp: 738849
Ion Ratio Lower Upper
172 100
171 37.8 31.2 46.8
170 25.2 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.530 min Scan# 2424
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

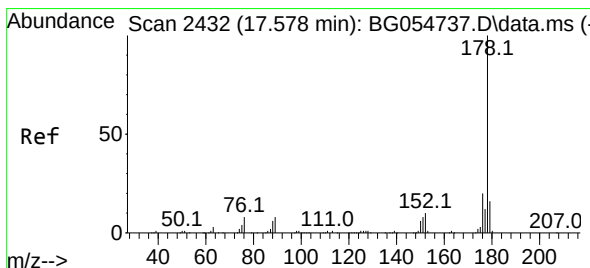
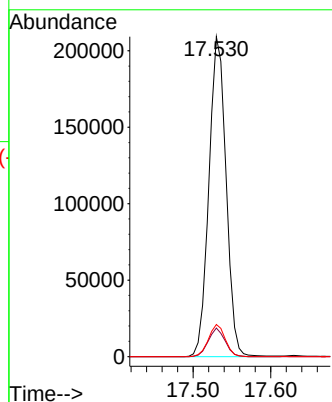
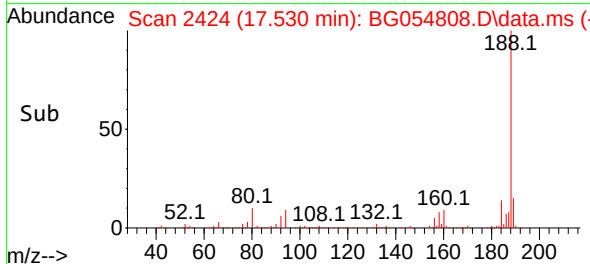
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE



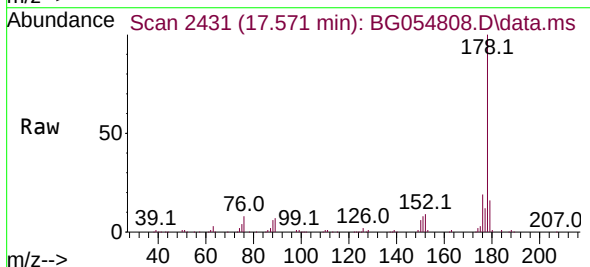
Tgt Ion:188 Resp: 32155
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 10.0 7.9 11.9

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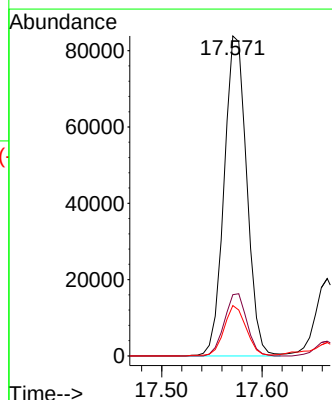
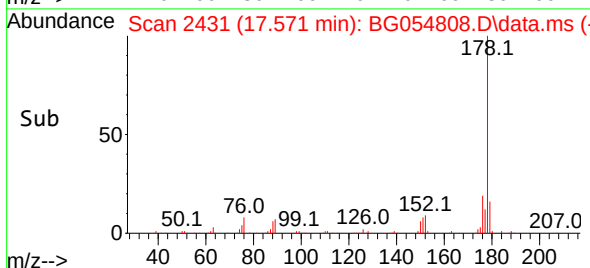
Reviewed By :Christian Giraldo 09/01/2022
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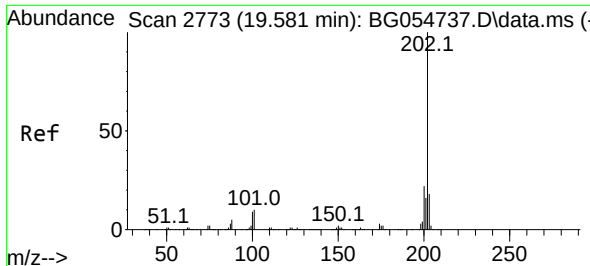


#71
Phenanthrene
Concen: 7.668 ng
RT: 17.571 min Scan# 2431
Delta R.T. -0.007 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00



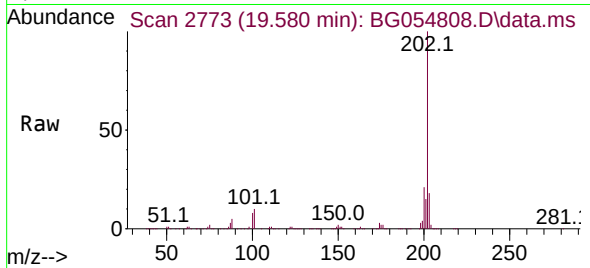
Tgt Ion:178 Resp: 131341
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 15.7 12.8 19.2





#75
Fluoranthene
Concen: 14.907 ng
RT: 19.580 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

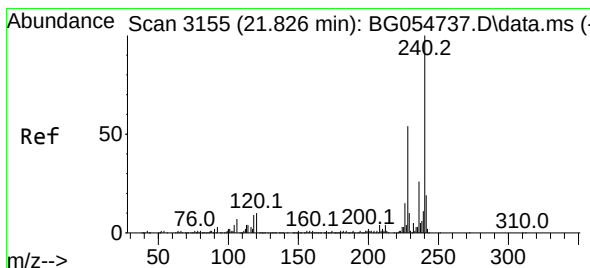
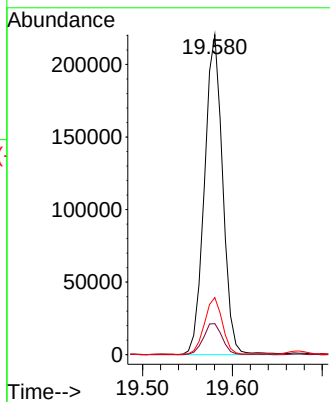
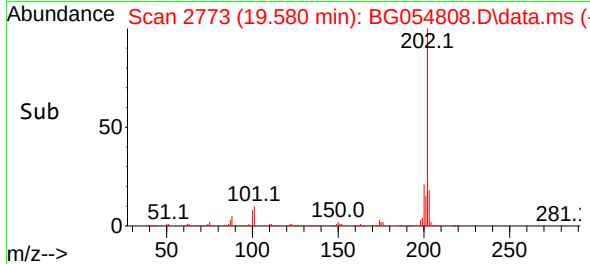
Instrument :
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EP-BLIND-DUPLICATE



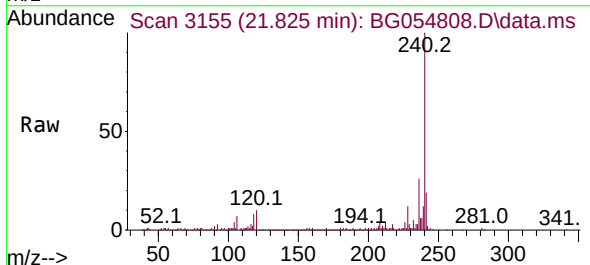
Tgt Ion:202 Resp: 310629
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.4
203 17.8 0.0 38.6

Manual Integrations
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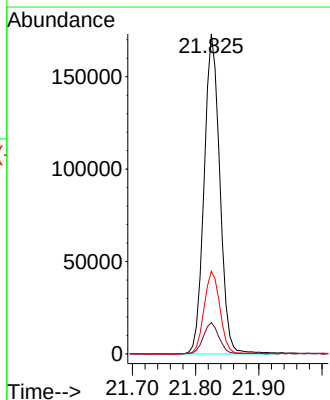
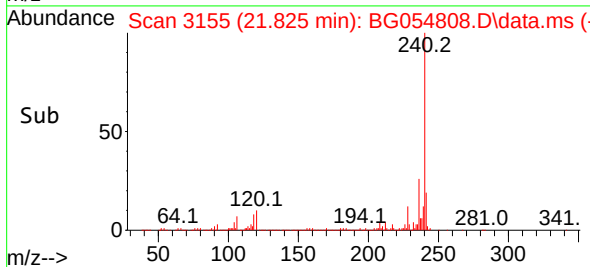
Reviewed By :Christian Giraldo 09/01/2022
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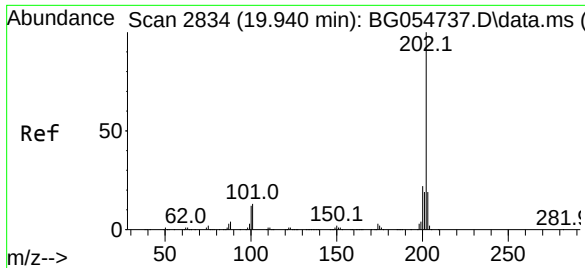


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.825 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00



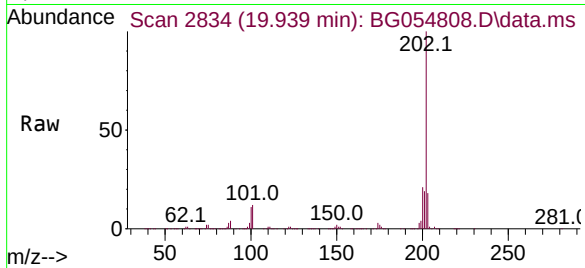
Tgt Ion:240 Resp: 298863
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.4
236 25.8 21.2 31.8





#78
 Pyrene
 Concen: 13.153 ng
 RT: 19.939 min Scan# 2834
 Delta R.T. -0.001 min
 Lab File: BG054808.D
 Acq: 31 Aug 2022 16:00

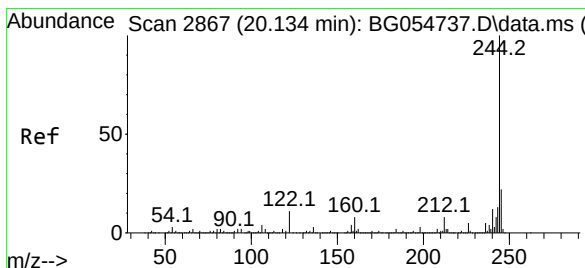
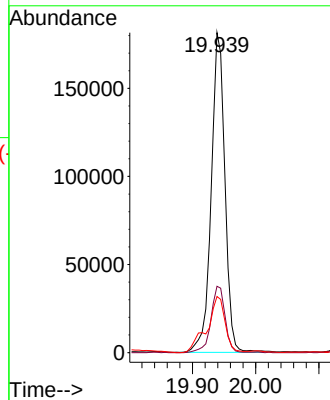
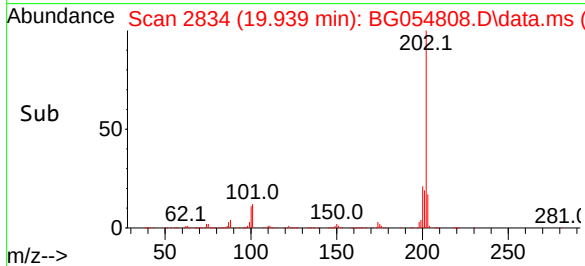
Instrument :
 BNA_G
 ClientSampleId :
 EP-BLIND-DUPLICATE



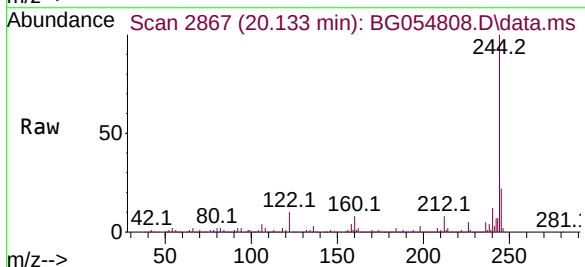
Tgt Ion:202 Resp: 274107
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.8 26.6
 203 17.5 14.6 21.8

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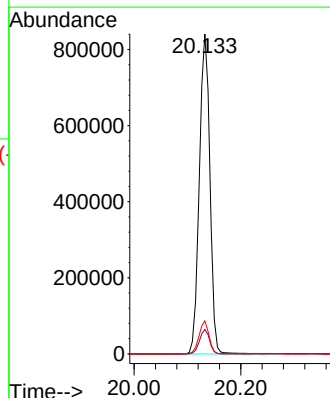
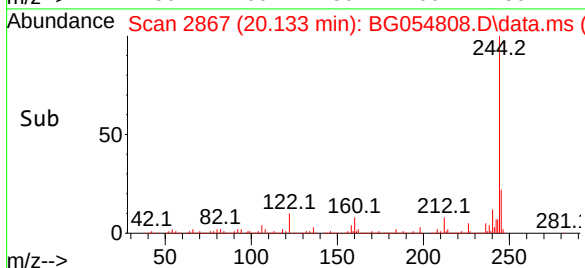
Reviewed By :Christian Giraldo 09/01/2022
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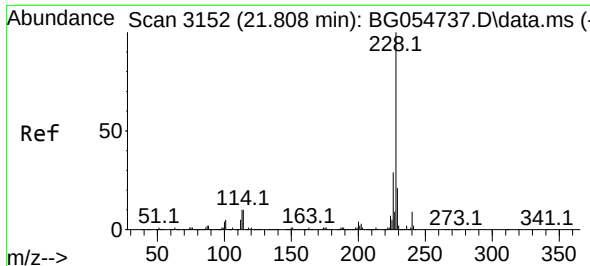


#79
 Terphenyl-d14
 Concen: 76.585 ng
 RT: 20.133 min Scan# 2867
 Delta R.T. -0.001 min
 Lab File: BG054808.D
 Acq: 31 Aug 2022 16:00



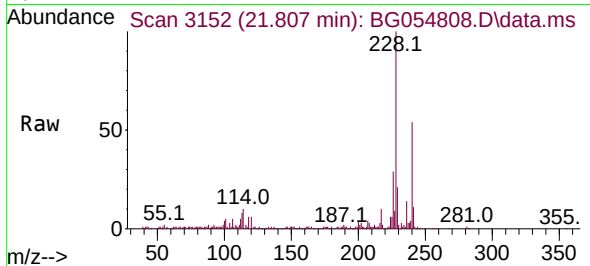
Tgt Ion:244 Resp: 1155170
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 10.3 9.0 13.6





#81
Benzo(a)anthracene
Concen: 7.074 ng
RT: 21.807 min Scan# 3152
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

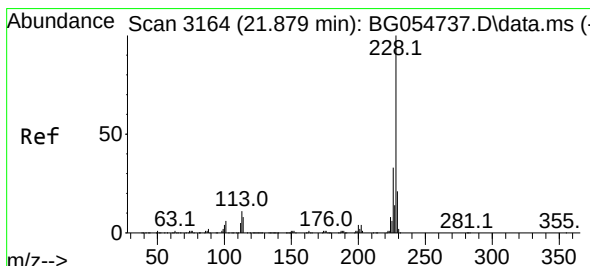
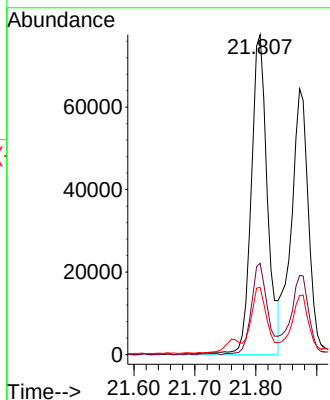
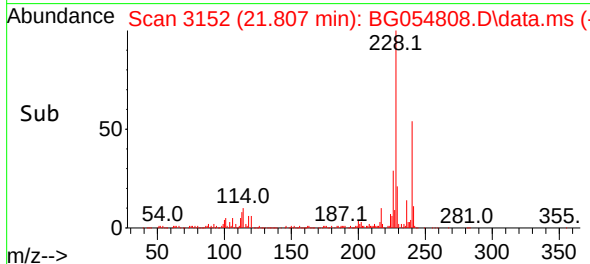
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE



Tgt Ion:228 Resp: 143341
Ion Ratio Lower Upper
228 100
226 28.5 23.4 35.2
229 21.0 16.5 24.7

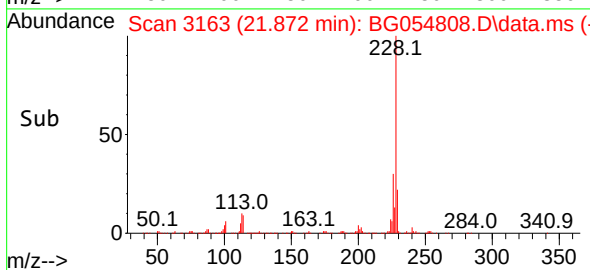
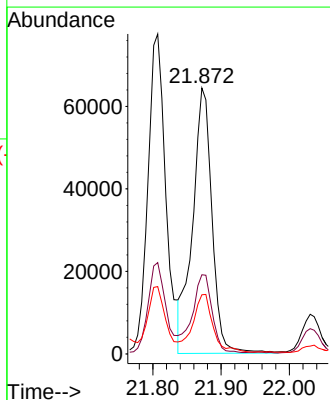
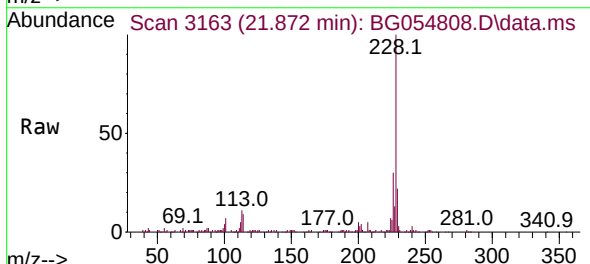
Manual Integrations
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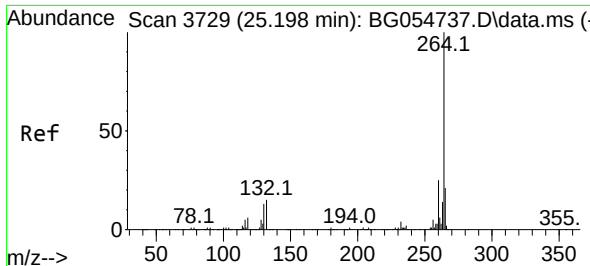
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#83
Chrysene
Concen: 6.601 ng
RT: 21.872 min Scan# 3163
Delta R.T. -0.007 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

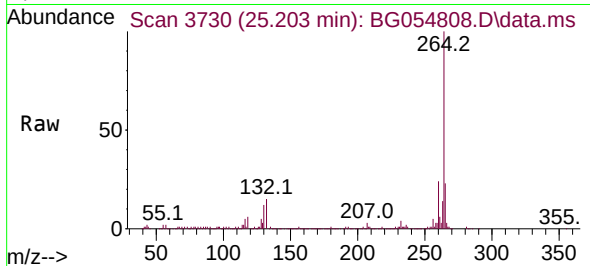
Tgt Ion:228 Resp: 127898
Ion Ratio Lower Upper
228 100
226 29.7 25.5 38.3
229 22.2 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.203 min Scan# 31538
Delta R.T. 0.005 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

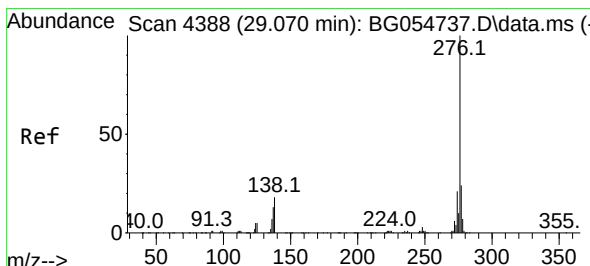
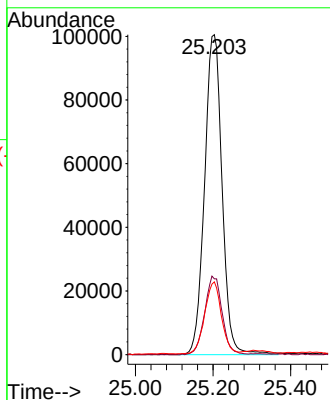
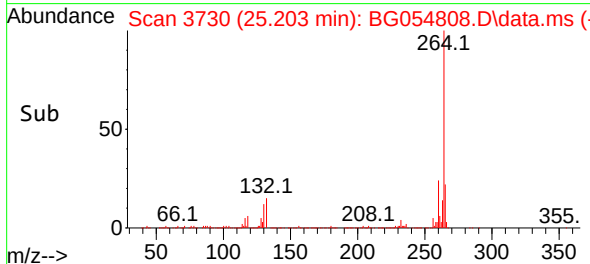
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE



Tgt Ion:264 Resp: 31538
Ion Ratio Lower Upper
264 100
260 23.7 19.9 29.9
265 22.7 16.9 25.3

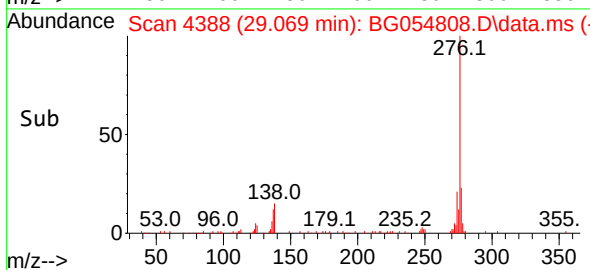
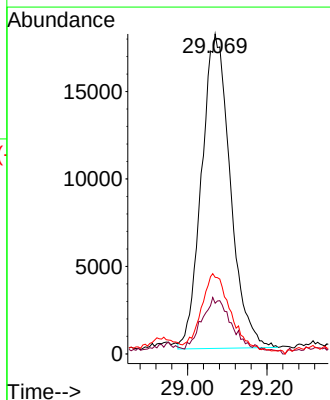
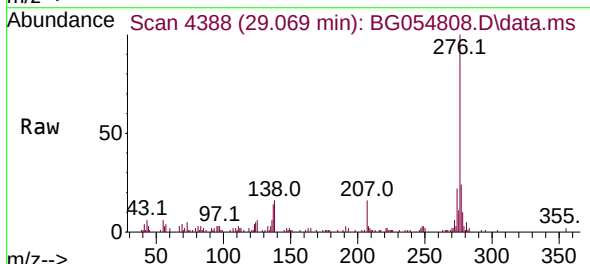
Manual Integrations
APPROVED

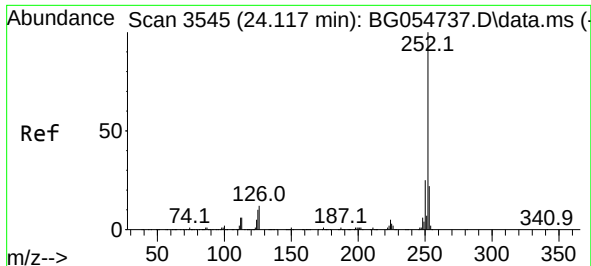
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.765 ng
RT: 29.069 min Scan# 4388
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

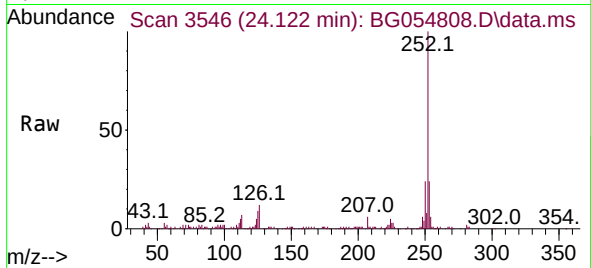
Tgt Ion:276 Resp: 90155
Ion Ratio Lower Upper
276 100
138 15.8 12.0 18.0
277 23.8 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 9.033 ng
RT: 24.122 min Scan# 3546
Delta R.T. 0.005 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

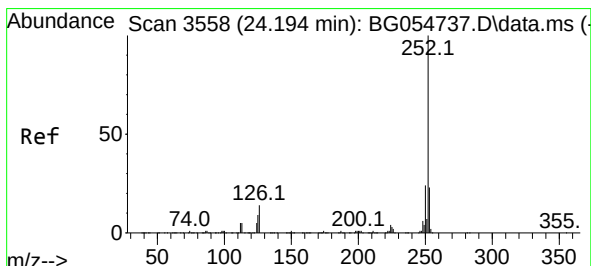
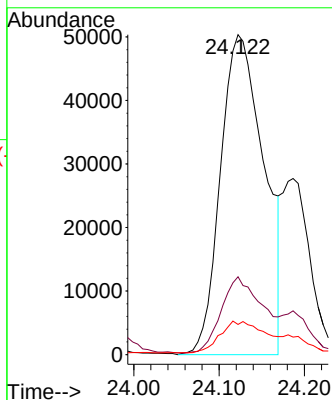
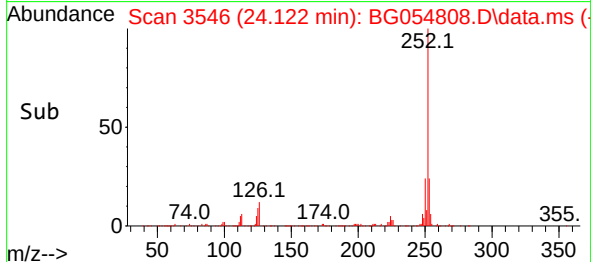
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE



Tgt Ion:252 Resp: 178702
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 9.4 8.1 12.1

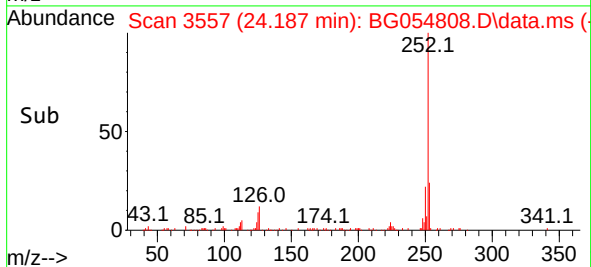
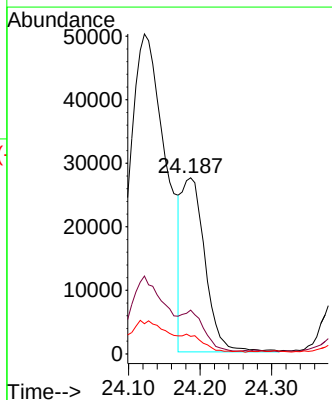
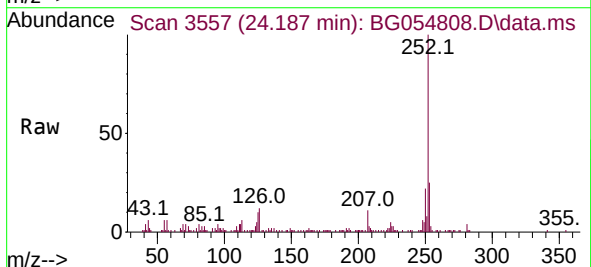
Manual Integrations
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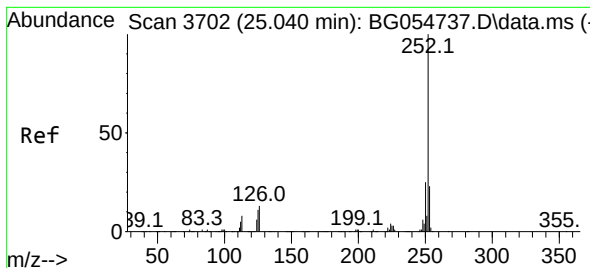
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#89
Benzo(k)fluoranthene
Concen: 3.137 ng m
RT: 24.187 min Scan# 3557
Delta R.T. -0.007 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:252 Resp: 62458
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 10.0 8.2 12.4





#90

Benzo(a)pyrene

Concen: 7.506 ng

RT: 25.039 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG054808.D

Acq: 31 Aug 2022 16:00

Instrument :

BNA_G

ClientSampleId :

EP-BLIND-DUPLICATE

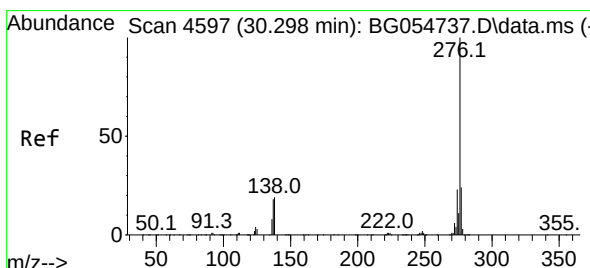
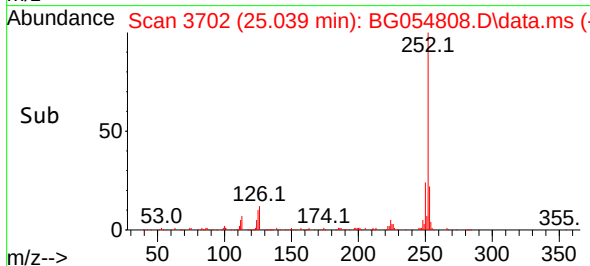
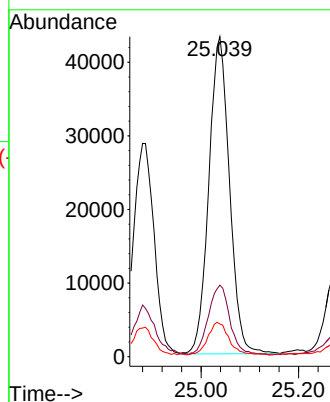
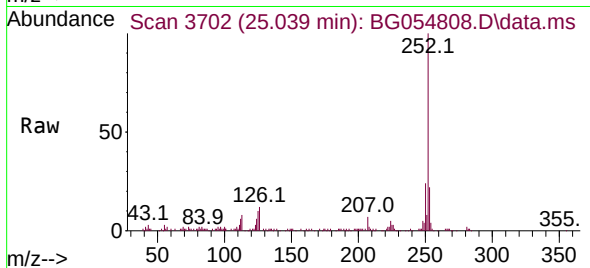
Tgt Ion:252 Resp: 126872
 Ion Ratio Lower Upper
 252 100
 253 22.3 18.3 27.5
 125 10.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/01/2022

Supervised By :Jagrut Upadhyay 09/01/2022



#92

Benzo(g,h,i)perylene

Concen: 4.756 ng

RT: 30.280 min Scan# 4594

Delta R.T. -0.019 min

Lab File: BG054808.D

Acq: 31 Aug 2022 16:00

Tgt Ion:276 Resp: 93714
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.4 29.0
 138 18.6 16.6 25.0

