

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103122\
 Data File : BG055380.D
 Acq On : 31 Oct 2022 14:58
 Operator : CG/JU
 Sample : N5267-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1024DL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :mohammad ahmed 11/04/2022

Quant Time: Oct 31 17:56:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 04:52:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.262	152	43638	20.000	ng	0.00
21) Naphthalene-d8	11.094	136	172140	20.000	ng	# 0.00
39) Acenaphthene-d10	14.878	164	106457	20.000	ng	0.00
64) Phenanthrene-d10	17.610	188	218042	20.000	ng	# 0.00
76) Chrysene-d12	21.887	240	218930	20.000	ng	0.00
86) Perylene-d12	25.289	264	243278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	37247	14.945	ng	0.00
7) Phenol-d6	7.410	99	47248	13.086	ng	0.00
23) Nitrobenzene-d5	9.437	82	29303	8.692	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	20797	17.971	ng	0.00
45) 2-Fluorobiphenyl	13.503	172	68078	10.467	ng	0.00
79) Terphenyl-d14	20.183	244	112296	10.657	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.912	166	22517	2.847	ng	98
71) Phenanthrene	17.651	178	347600	29.892	ng	99
72) Anthracene	17.745	178	105798	9.307	ng	98
73) Carbazole	18.009	167	24166	2.210	ng	# 93
75) Fluoranthene	19.643	202	670319	49.471	ng	97
78) Pyrene	20.007	202	556329	37.073	ng	98
81) Benzo(a)anthracene	21.869	228	318183	21.643	ng	99
83) Chrysene	21.940	228	279372	20.005	ng	97
87) Indeno(1,2,3-cd)pyrene	29.202	276	107494	5.982	ng	98
88) Benzo(b)fluoranthene	24.202	252	317796	21.717	ng	97
89) Benzo(k)fluoranthene	24.267	252	112203m	7.593	ng	
90) Benzo(a)pyrene	25.125	252	201198	16.033	ng	98
91) Dibenzo(a,h)anthracene	29.243	278	37545	2.546	ng	# 92
92) Benzo(g,h,i)perylene	30.430	276	96499	6.598	ng	97

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

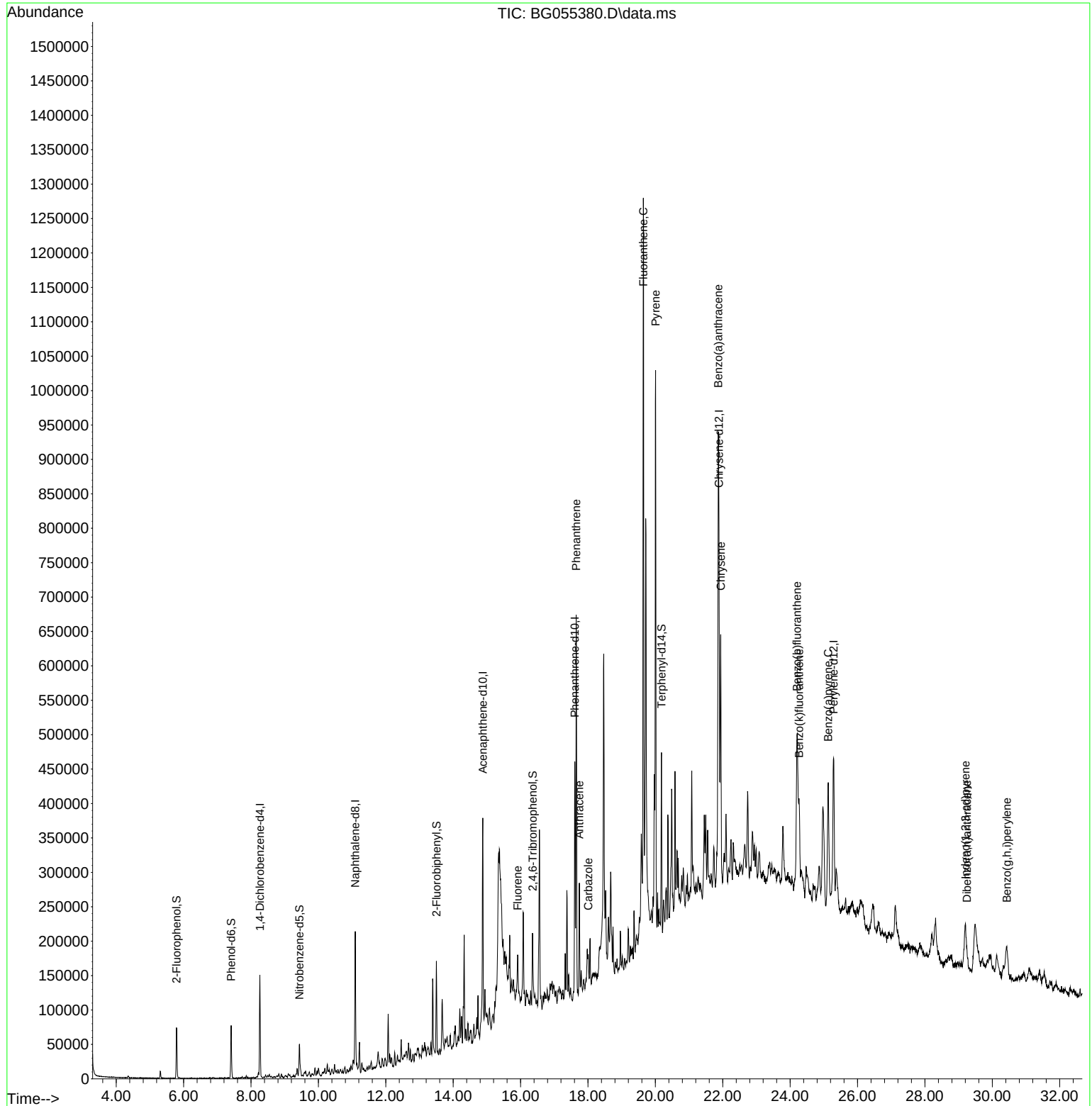
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103122\
Data File : BG055380.D
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ALS Vial : 5 Sample Multiplier: 1

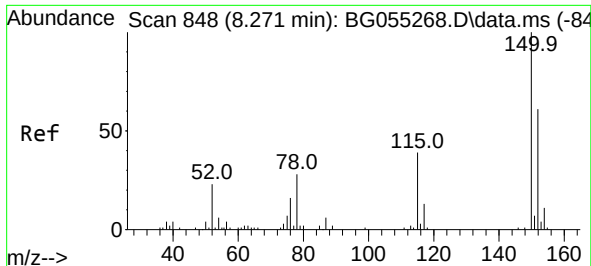
Instrument :
BNA_G
ClientSampleId :
TP2-1024DL

Quant Time: Oct 31 17:56:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
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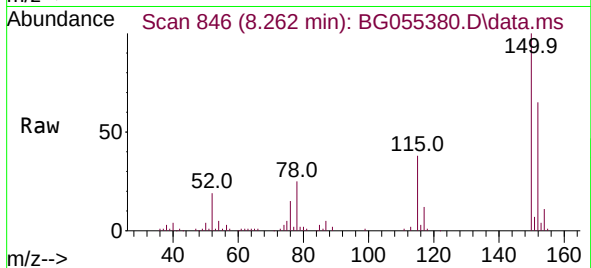
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.262 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

Instrument :

BNA_G

ClientSampleId :

TP2-1024DL

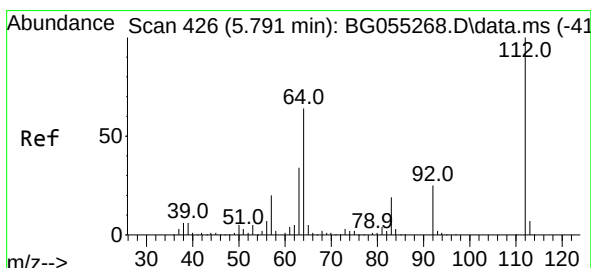
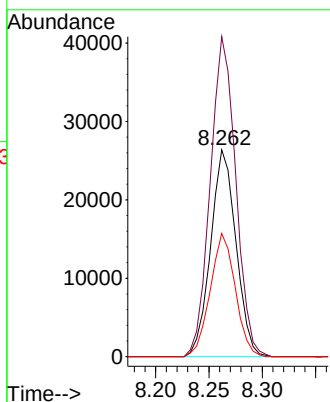
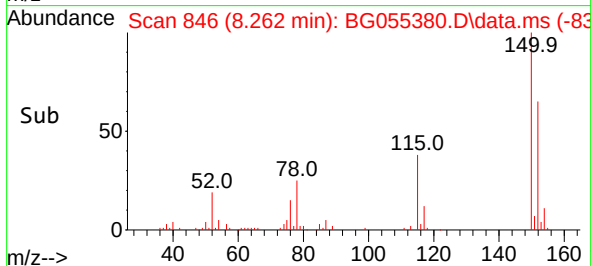


Tgt Ion:152 Resp: 43638
Ion Ratio Lower Upper
152 100
150 154.7 118.2 177.4
115 59.5 44.5 66.7

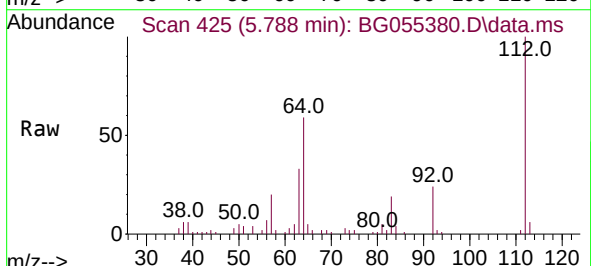
Manual Integrations

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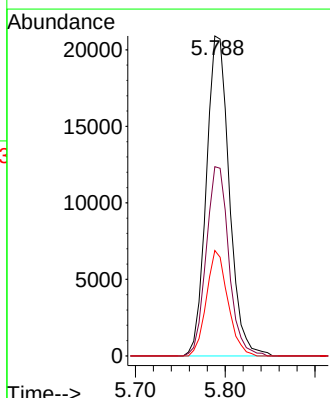
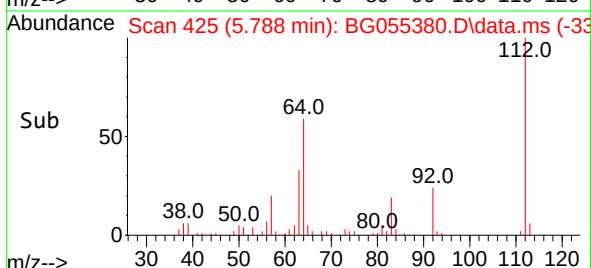
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022

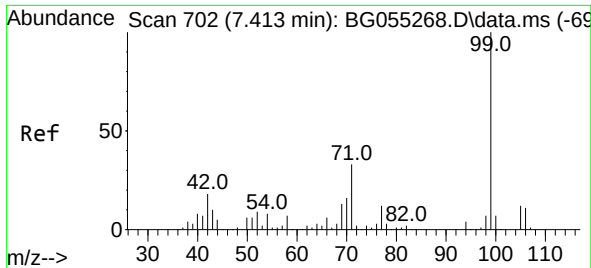


#5
2-Fluorophenol
Concen: 14.945 ng
RT: 5.788 min Scan# 425
Delta R.T. 0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58



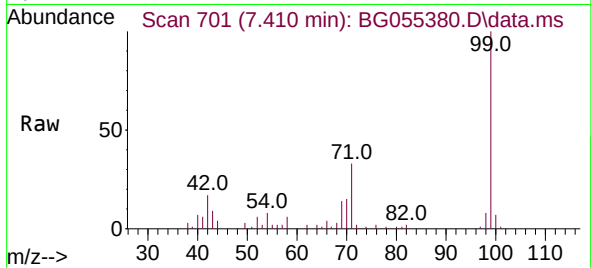
Tgt Ion:112 Resp: 37247
Ion Ratio Lower Upper
112 100
64 59.1 52.6 78.8
63 32.9 27.1 40.7





#7
Phenol-d6
Concen: 13.086 ng
RT: 7.410 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

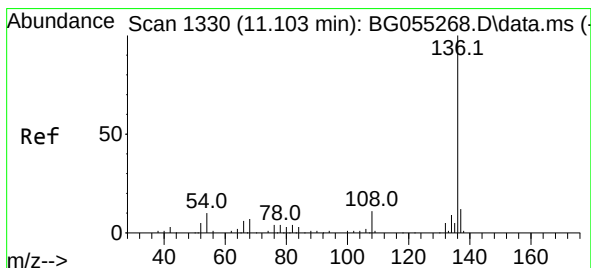
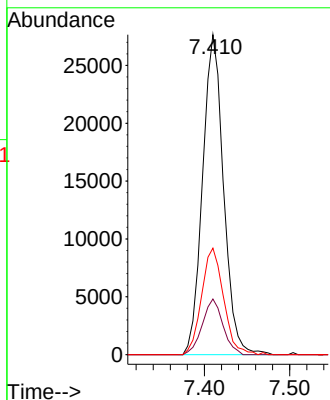
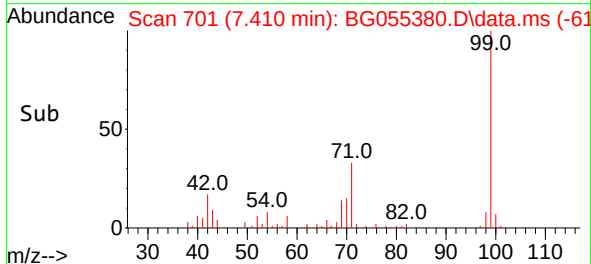
Instrument :
BNA_G
ClientSampleId :
TP2-1024DL



Tgt Ion: 99 Resp: 47248
Ion Ratio Lower Upper
99 100
42 17.4 15.2 22.8
71 33.3 26.2 39.4

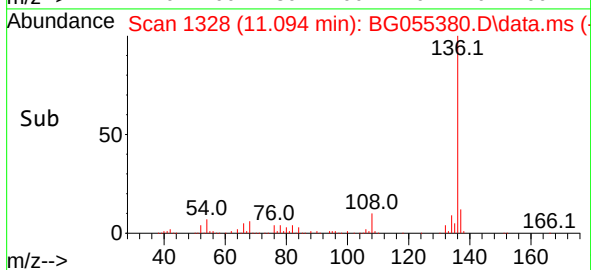
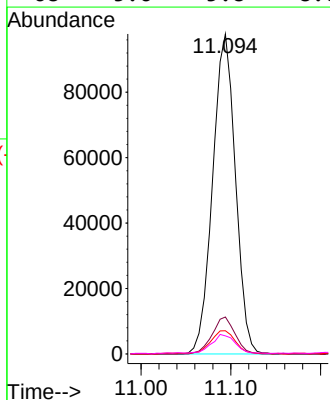
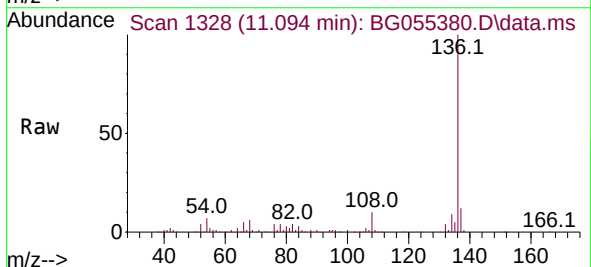
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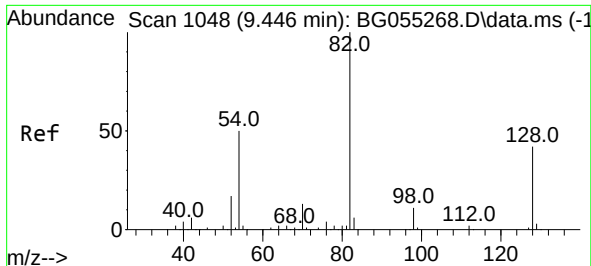
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.094 min Scan# 1328
Delta R.T. -0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

Tgt Ion:136 Resp: 172140
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 7.3 7.8 11.8#
68 5.6 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 8.692 ng

RT: 9.437 min Scan# 1046

Delta R.T. -0.003 min

Lab File: BG055380.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_G

ClientSampleId :

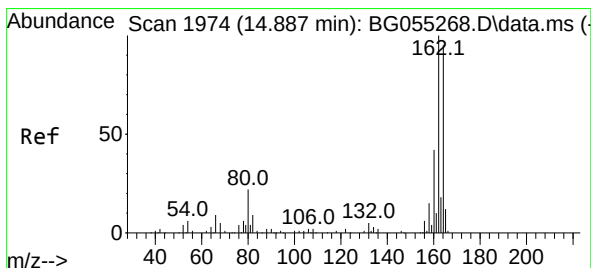
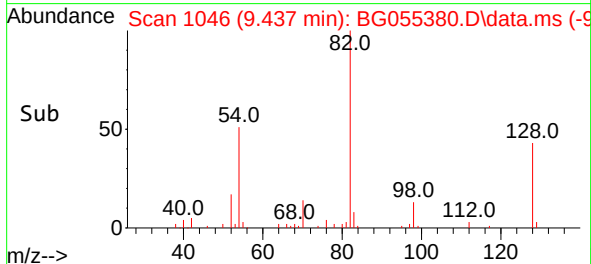
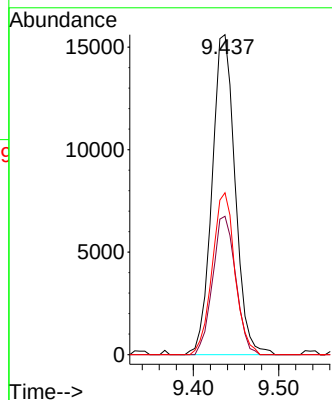
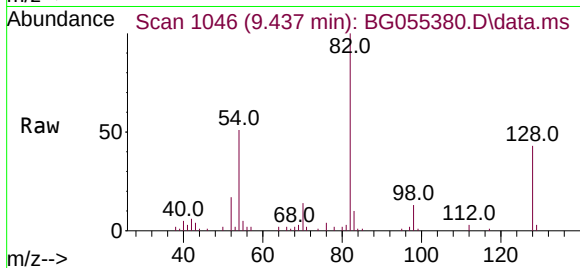
TP2-1024DL

Tgt Ion:	82	Resp:	29303
Ion Ratio	Lower	Upper	
82	100		
128	43.3	32.0	48.0
54	50.6	40.9	61.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

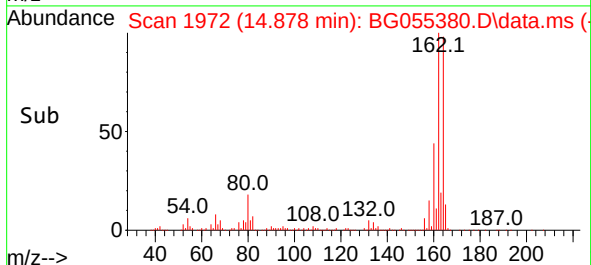
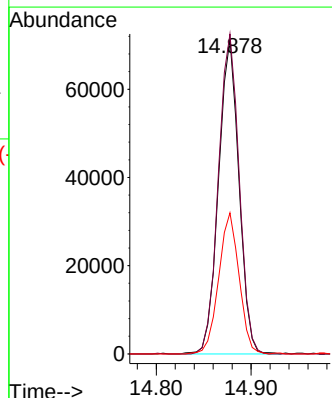
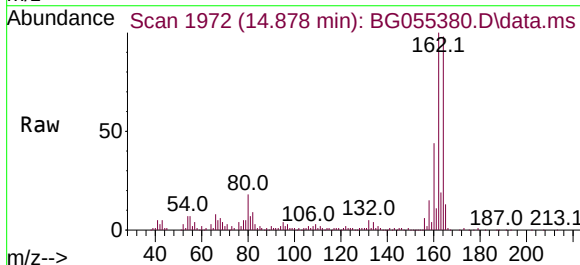
RT: 14.878 min Scan# 1972

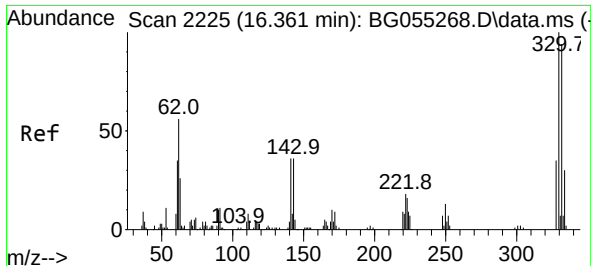
Delta R.T. -0.003 min

Lab File: BG055380.D

Acq: 31 Oct 2022 14:58

Tgt Ion:	164	Resp:	106457
Ion Ratio	Lower	Upper	
164	100		
162	101.6	84.0	126.0
160	44.8	36.7	55.1





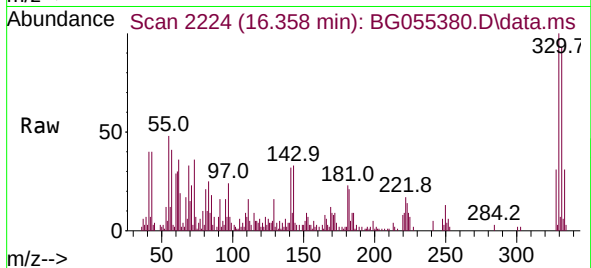
#42
2,4,6-Tribromophenol
Concen: 17.971 ng
RT: 16.358 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

Instrument :

BNA_G

ClientSampleId :

TP2-1024DL

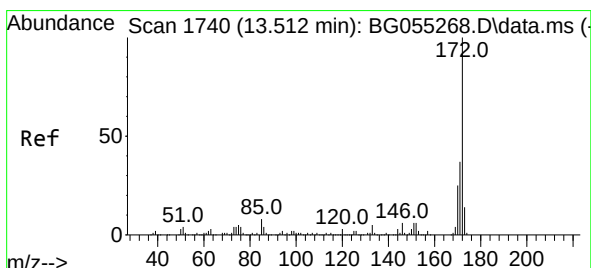
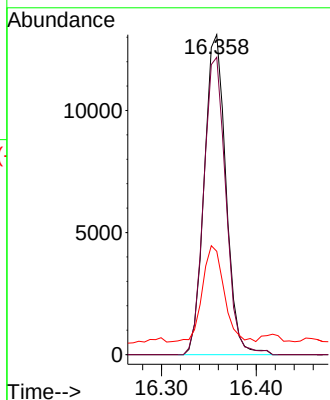
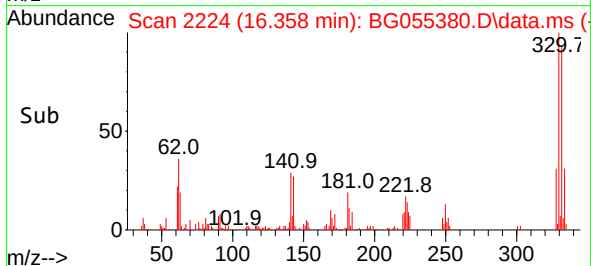


Tgt Ion:330 Resp: 2079
Ion Ratio Lower Upper
330 100
332 95.0 77.4 116.0
141 29.8 29.8 44.8

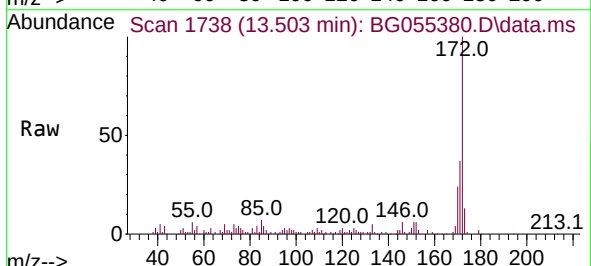
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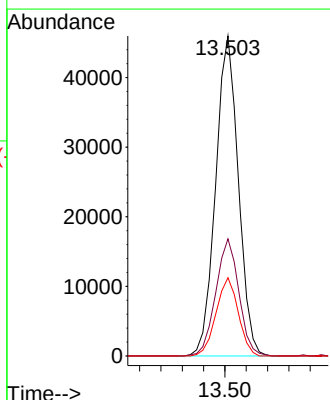
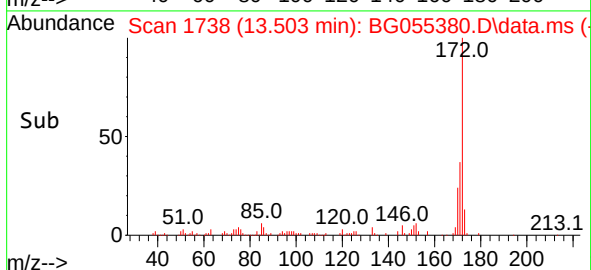
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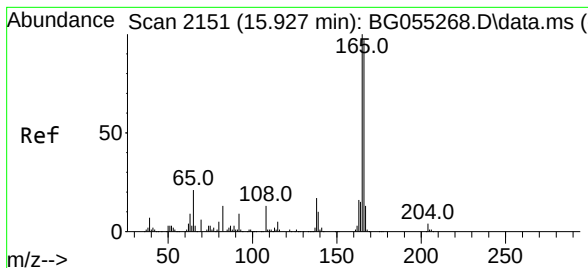


#45
2-Fluorobiphenyl
Concen: 10.467 ng
RT: 13.503 min Scan# 1738
Delta R.T. -0.009 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58



Tgt Ion:172 Resp: 68078
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.4 20.2 30.2





#58

Fluorene

Concen: 2.847 ng

RT: 15.912 min Scan# 2151

Delta R.T. -0.009 min

Lab File: BG055380.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_G

ClientSampleId :

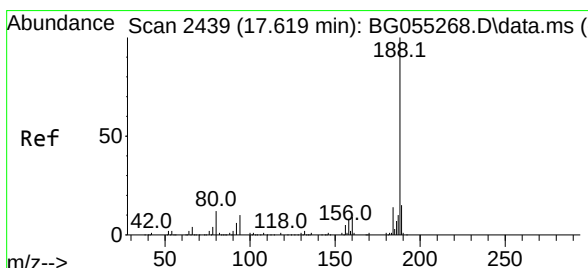
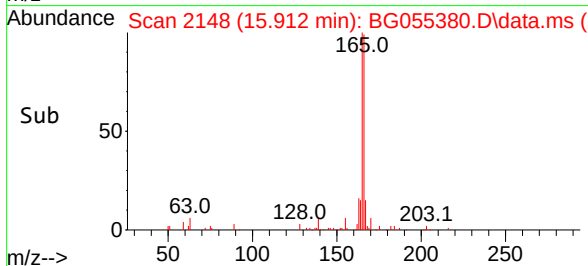
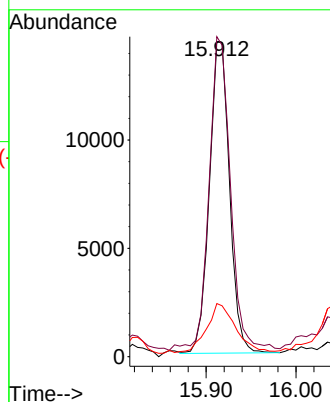
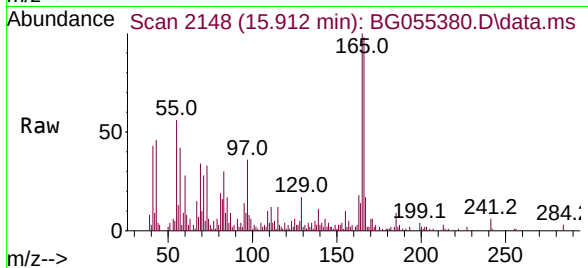
TP2-1024DL

Tgt Ion:	166	Resp:	2251
Ion Ratio	Lower	Upper	
166	100		
165	101.7	82.4	123.6
167	16.9	11.5	17.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/01/2022
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#64

Phenanthrene-d10

Concen: 20.000 ng

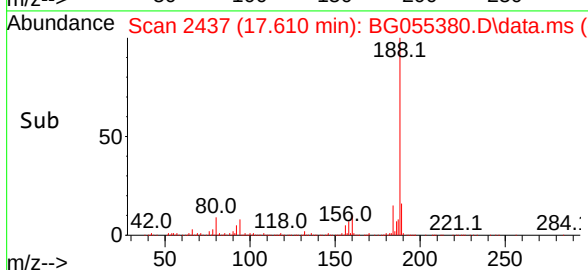
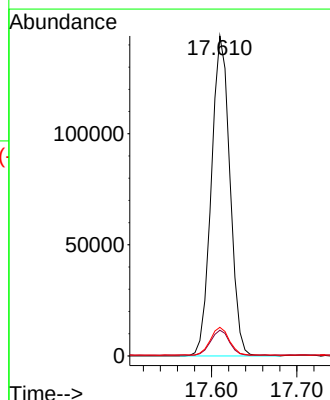
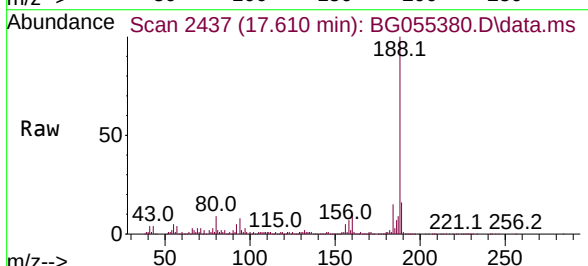
RT: 17.610 min Scan# 2437

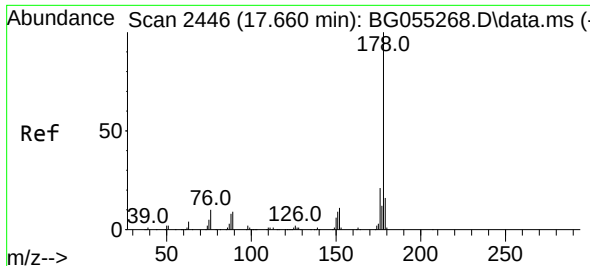
Delta R.T. -0.003 min

Lab File: BG055380.D

Acq: 31 Oct 2022 14:58

Tgt Ion:	188	Resp:	218042
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.2	12.4#
80	8.9	10.1	15.1#





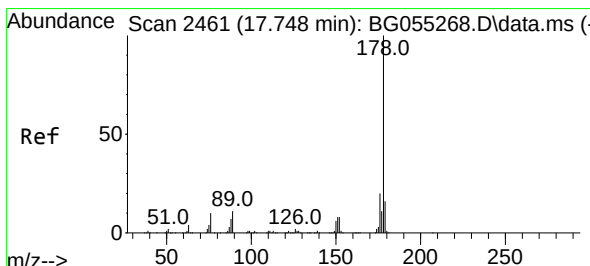
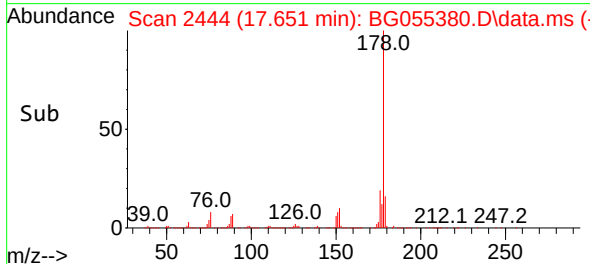
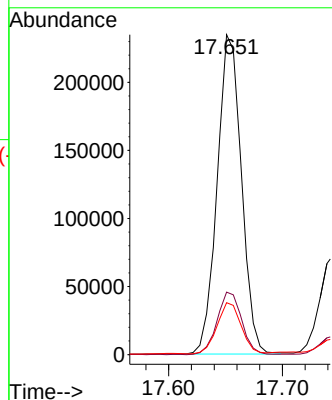
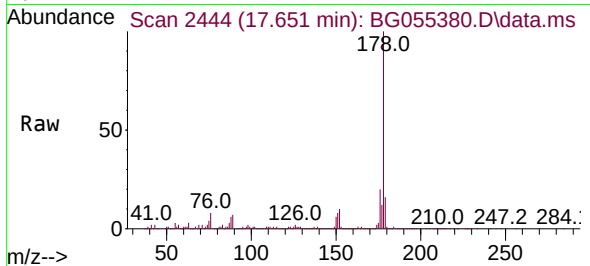
#71
Phenanthrene
Concen: 29.892 ng
RT: 17.651 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

Instrument :
BNA_G
ClientSampleId :
TP2-1024DL

Tgt Ion:178 Resp: 347600
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 16.2 12.6 19.0

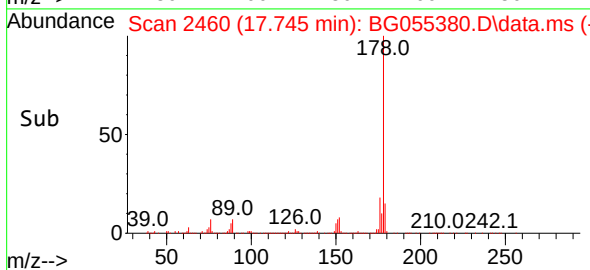
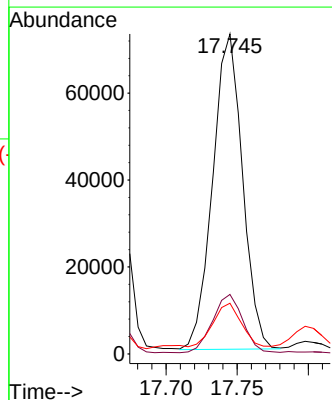
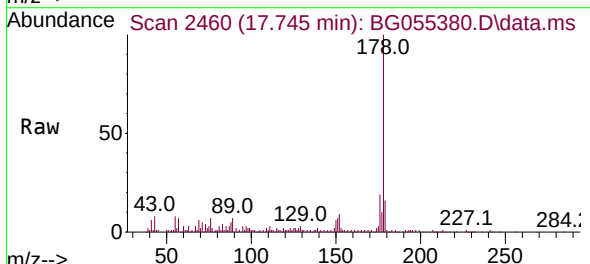
Manual Integrations
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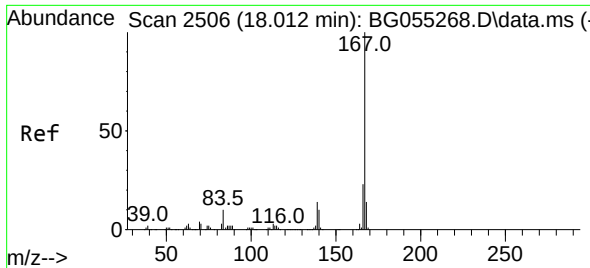
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#72
Anthracene
Concen: 9.307 ng
RT: 17.745 min Scan# 2460
Delta R.T. -0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

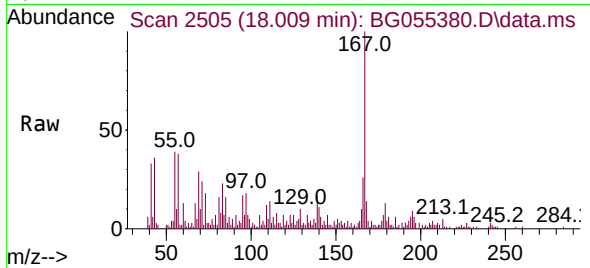
Tgt Ion:178 Resp: 105798
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.8 12.9 19.3





#73
 Carbazole
 Concen: 2.210 ng
 RT: 18.009 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG055380.D
 Acq: 31 Oct 2022 14:58

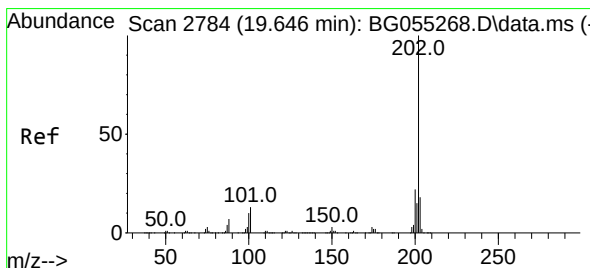
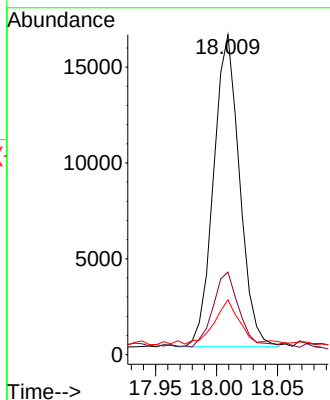
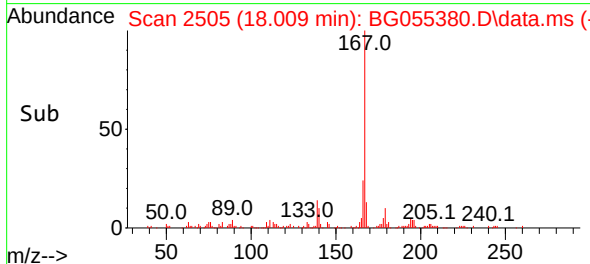
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1024DL



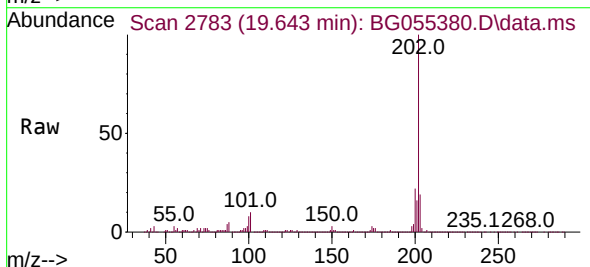
Tgt Ion:167 Resp: 24166
 Ion Ratio Lower Upper
 167 100
 166 25.8 18.6 27.8
 139 17.1 10.9 16.3

Manual Integrations
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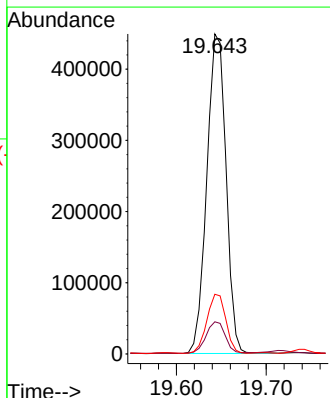
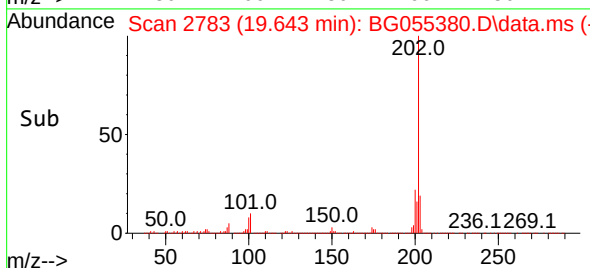
Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :mohammad ahmed 11/04/2022

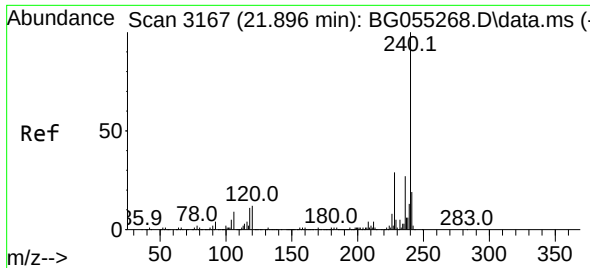


#75
 Fluoranthene
 Concen: 49.471 ng
 RT: 19.643 min Scan# 2783
 Delta R.T. -0.003 min
 Lab File: BG055380.D
 Acq: 31 Oct 2022 14:58



Tgt Ion:202 Resp: 670319
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 32.6
 203 18.6 0.0 38.3





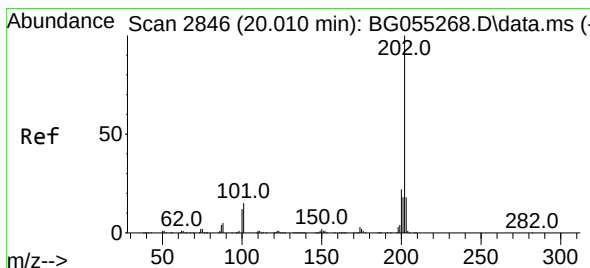
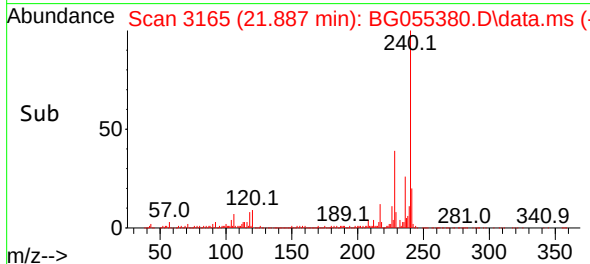
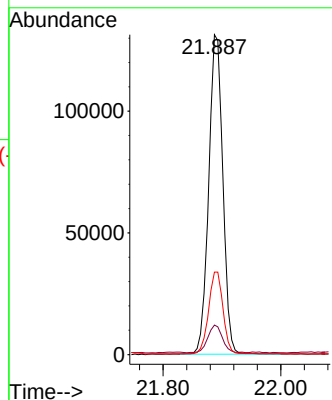
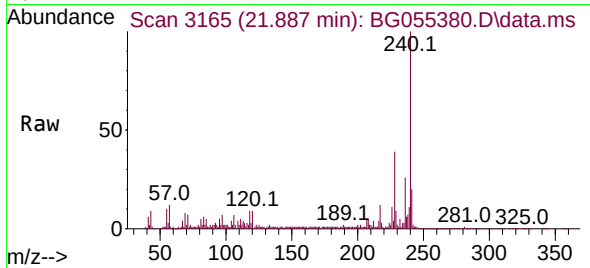
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.887 min Scan# 3165
Delta R.T. -0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

Instrument :
BNA_G
ClientSampleId :
TP2-1024DL

Tgt Ion:240 Resp: 218930
Ion Ratio Lower Upper
240 100
120 9.2 8.9 13.3
236 25.8 21.0 31.4

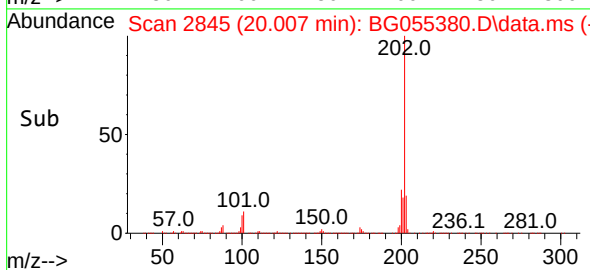
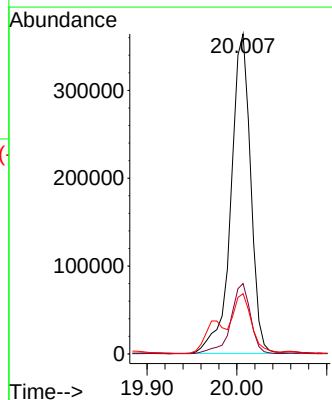
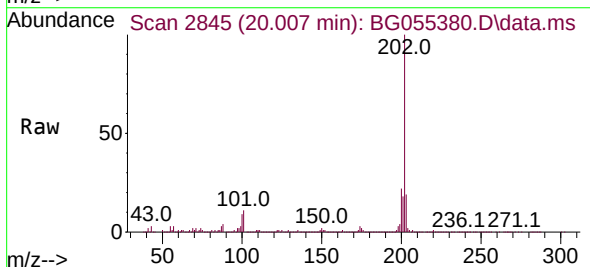
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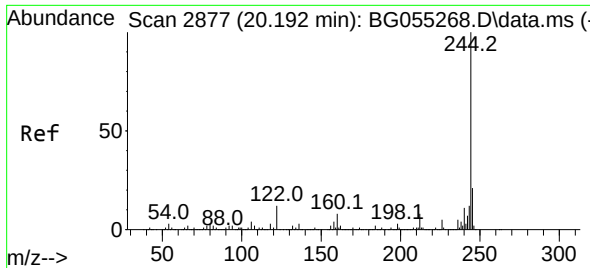
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#78
Pyrene
Concen: 37.073 ng
RT: 20.007 min Scan# 2845
Delta R.T. 0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

Tgt Ion:202 Resp: 556329
Ion Ratio Lower Upper
202 100
200 22.0 18.0 27.0
203 18.8 14.3 21.5





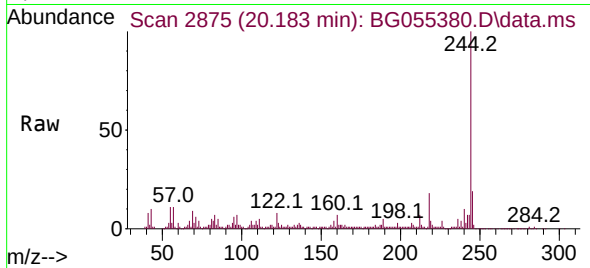
#79
 Terphenyl-d14
 Concen: 10.657 ng
 RT: 20.183 min Scan# 2875
 Delta R.T. -0.003 min
 Lab File: BG055380.D
 Acq: 31 Oct 2022 14:58

Instrument :

BNA_G

ClientSampleId :

TP2-1024DL

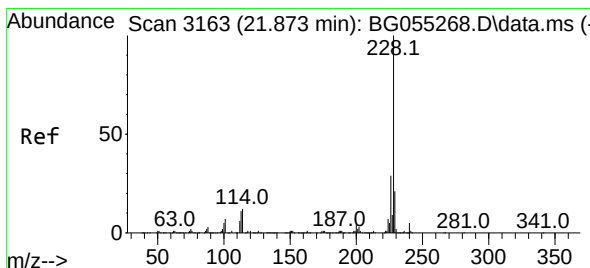
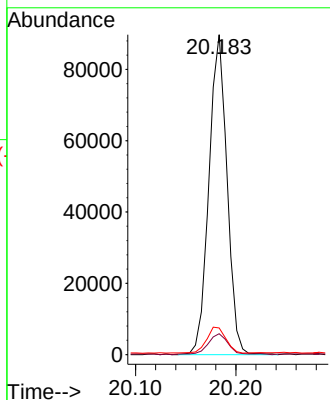
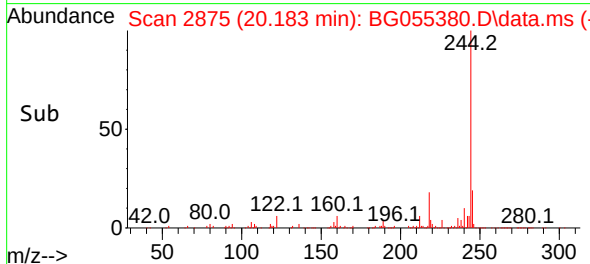


Tgt Ion:244 Resp: 112296
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 8.3 9.6 14.4

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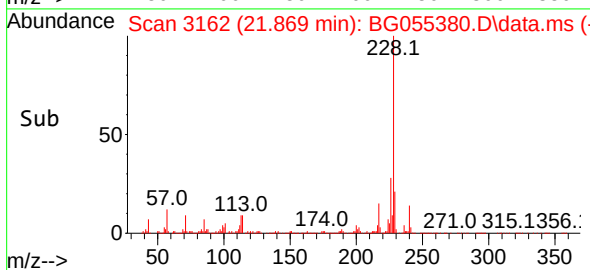
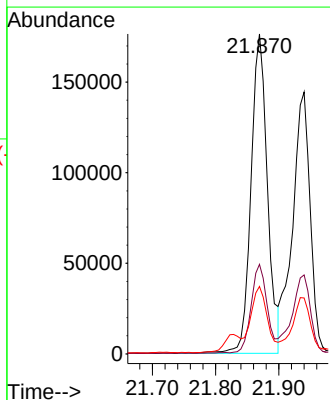
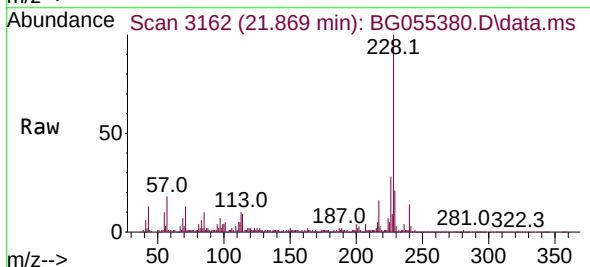
APPROVED

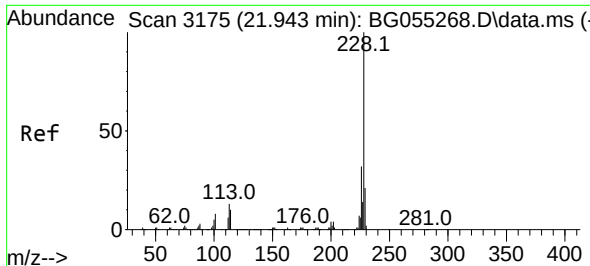
Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :mohammad ahmed 11/04/2022



#81
 Benzo(a)anthracene
 Concen: 21.643 ng
 RT: 21.869 min Scan# 3162
 Delta R.T. -0.003 min
 Lab File: BG055380.D
 Acq: 31 Oct 2022 14:58

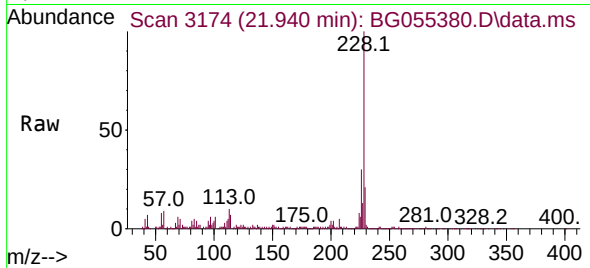
Tgt Ion:228 Resp: 318183
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.9 34.3
 229 21.1 16.7 25.1





#83
Chrysene
Concen: 20.005 ng
RT: 21.940 min Scan# 3175
Delta R.T. -0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

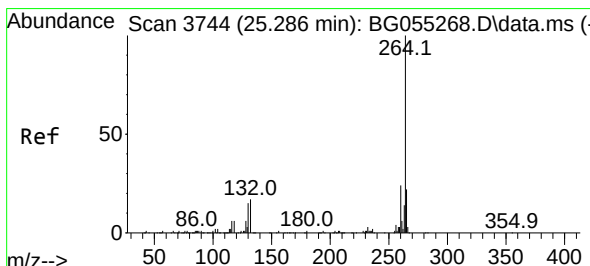
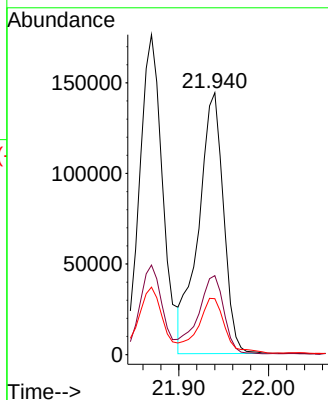
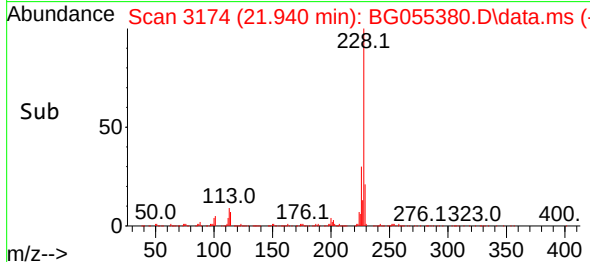
Instrument :
BNA_G
ClientSampleId :
TP2-1024DL



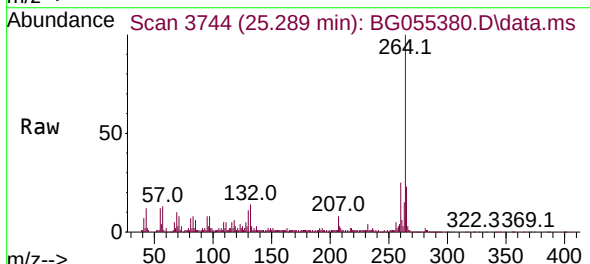
Tgt Ion:228 Resp: 279372
Ion Ratio Lower Upper
228 100
226 30.1 25.8 38.8
229 21.4 16.3 24.5

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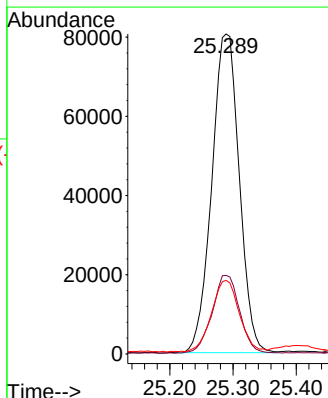
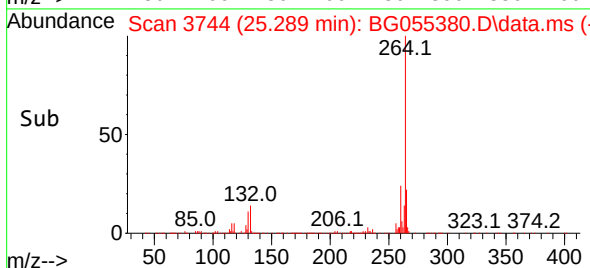
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022

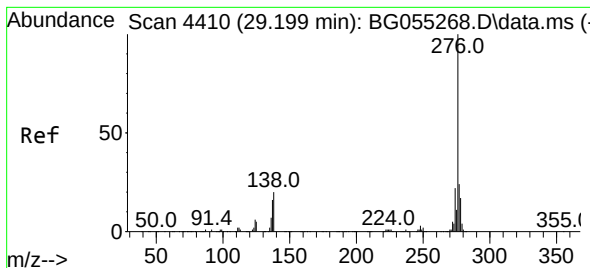


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.289 min Scan# 3744
Delta R.T. 0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58



Tgt Ion:264 Resp: 243278
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 23.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.982 ng

RT: 29.202 min Scan# 4410

Delta R.T. -0.003 min

Lab File: BG055380.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_G

ClientSampleId :

TP2-1024DL

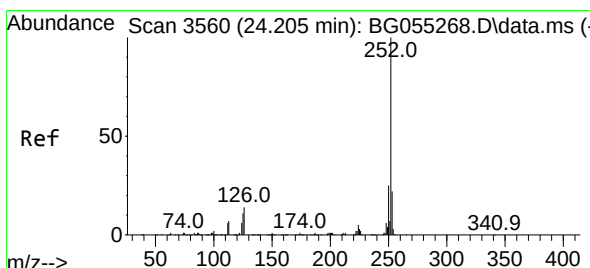
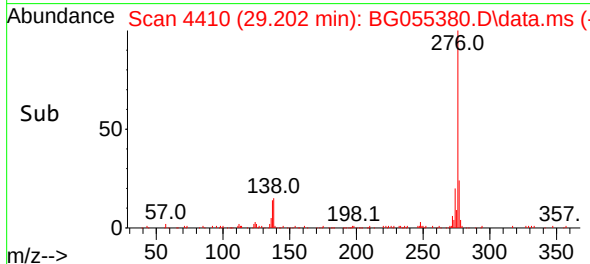
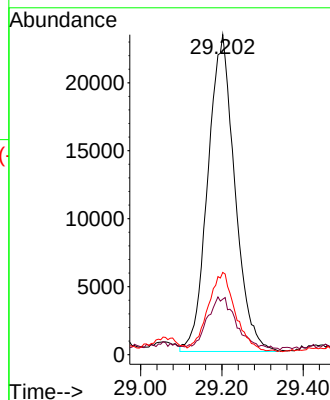
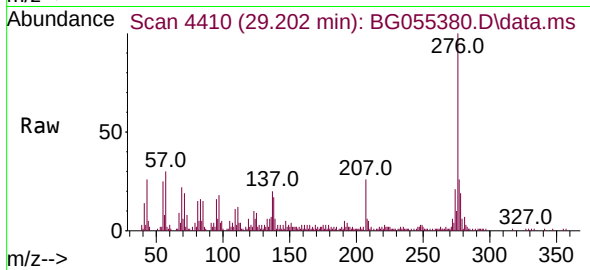
Tgt Ion: 276 Resp: 107494

Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.9	20.9
277	24.4	20.3	30.5

Manual Integrations

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Reviewed By : Christian Giraldo 11/01/2022
Supervised By : mohammad ahmed 11/04/2022



#88

Benzo(b)fluoranthene

Concen: 21.717 ng

RT: 24.202 min Scan# 3559

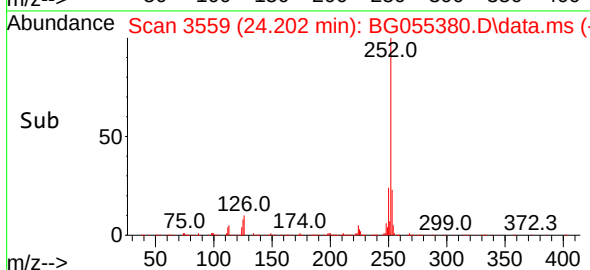
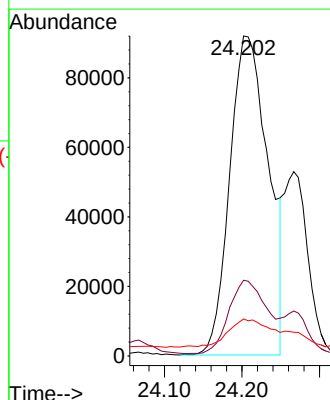
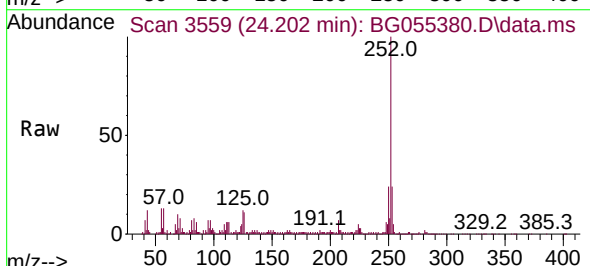
Delta R.T. 0.003 min

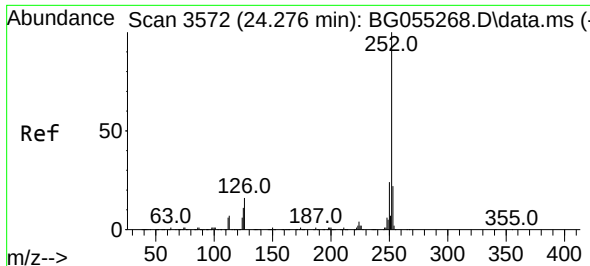
Lab File: BG055380.D

Acq: 31 Oct 2022 14:58

Tgt Ion: 252 Resp: 317796

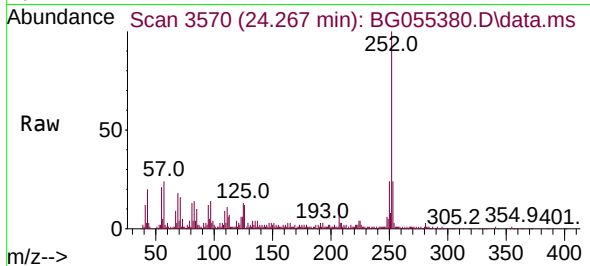
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	11.5	9.0	13.4





#89
Benzo(k)fluoranthene
Concen: 7.593 ng m
RT: 24.267 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

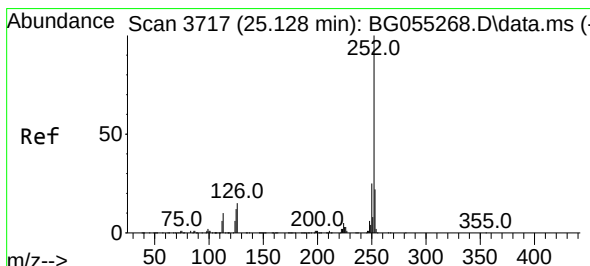
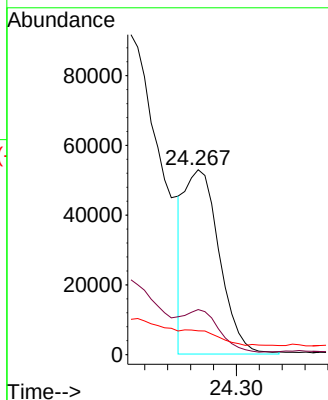
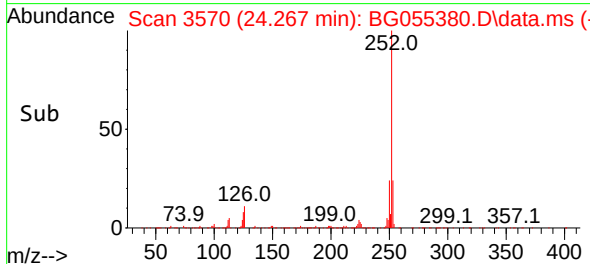
Instrument :
BNA_G
ClientSampleId :
TP2-1024DL



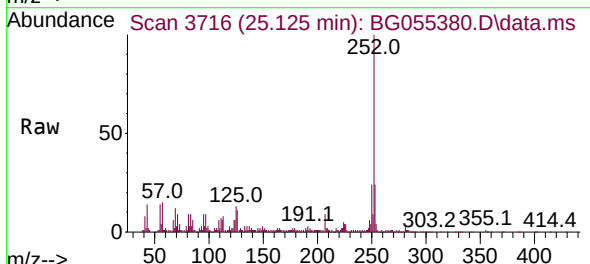
Tgt Ion:252 Resp: 112203
Ion Ratio Lower Upper
252 100
253 24.4 18.6 27.8
125 12.8 9.1 13.7

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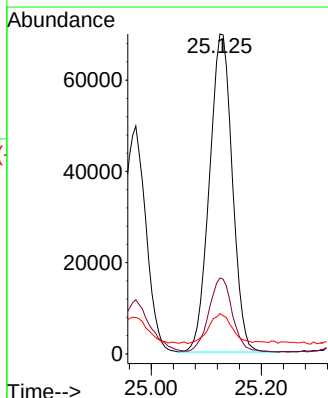
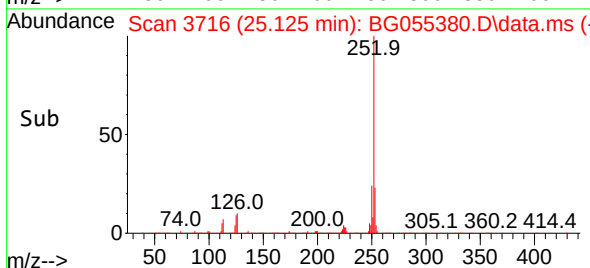
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022

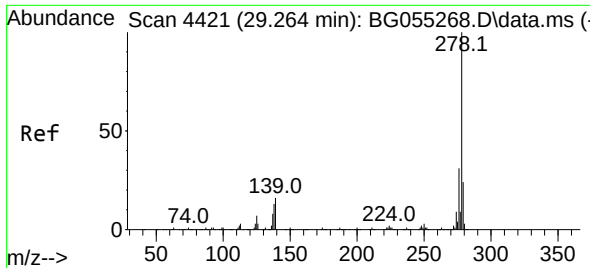


#90
Benzo(a)pyrene
Concen: 16.033 ng
RT: 25.125 min Scan# 3716
Delta R.T. -0.003 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58



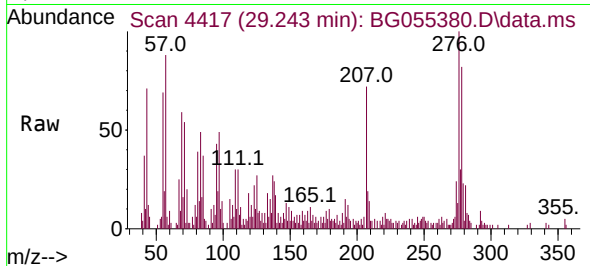
Tgt Ion:252 Resp: 201198
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 12.6 9.8 14.8





#91
Dibenzo(a,h)anthracene
Concen: 2.546 ng
RT: 29.243 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

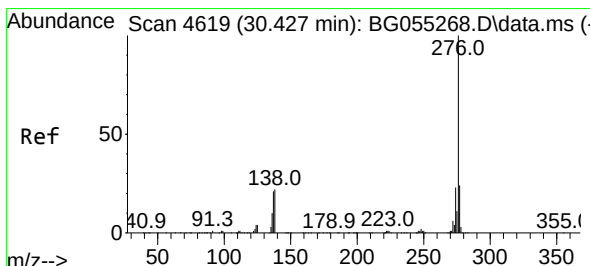
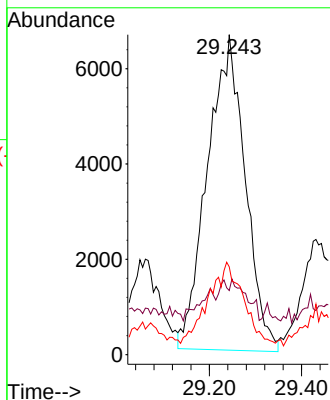
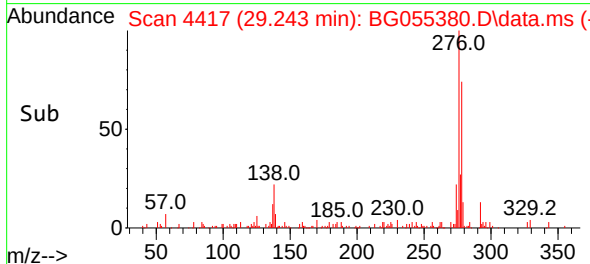
Instrument :
BNA_G
ClientSampleId :
TP2-1024DL



Tgt Ion: 278 Resp: 37545
Ion Ratio Lower Upper
278 100
139 20.0 12.9 19.3
279 27.4 19.0 28.6

Manual Integrations
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Reviewed By : Christian Giraldo 11/01/2022
Supervised By : mohammad ahmed 11/04/2022



#92
Benzo(g,h,i)perylene
Concen: 6.598 ng
RT: 30.430 min Scan# 4619
Delta R.T. -0.009 min
Lab File: BG055380.D
Acq: 31 Oct 2022 14:58

Tgt Ion: 276 Resp: 96499
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 18.6 17.2 25.8

