

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
 Data File : BG057932.D
 Acq On : 1 Jul 2023 00:02
 Operator : CG/JU
 Sample : 03360-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CE-88N-062023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/05/2023

Quant Time: Jul 01 02:21:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.912	152	40792	20.000	ng	-0.01
21) Naphthalene-d8	10.714	136	184357	20.000	ng	-0.01
39) Acenaphthene-d10	14.545	164	143965	20.000	ng	-0.01
64) Phenanthrene-d10	17.289	188	328374	20.000	ng	-0.01
76) Chrysene-d12	21.543	240	271819	20.000	ng	-0.01
86) Perylene-d12	24.686	264	335553	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.485	112	258200	96.844	ng	0.00
7) Phenol-d6	7.077	99	381279	95.634	ng	0.00
23) Nitrobenzene-d5	9.069	82	225461	59.935	ng	-0.02
42) 2,4,6-Tribromophenol	16.037	330	188354	77.896	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	578764	61.349	ng	-0.01
79) Terphenyl-d14	19.909	244	946504	63.482	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.336	178	76414	4.848	ng	98
75) Fluoranthene	19.345	202	269607	13.577	ng	99
78) Pyrene	19.704	202	287112	14.793	ng	98
81) Benzo(a)anthracene	21.525	228	166448	8.849	ng	98
83) Chrysene	21.584	228	149609	8.403	ng	99
87) Indeno(1,2,3-cd)pyrene	28.247	276	124683	5.609	ng	# 95
88) Benzo(b)fluoranthene	23.687	252	238151	13.013	ng	98
89) Benzo(k)fluoranthene	23.740	252	65036m	3.516	ng	
90) Benzo(a)pyrene	24.533	252	183229	10.107	ng	97
92) Benzo(g,h,i)perylene	29.369	276	126121	6.882	ng	100

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

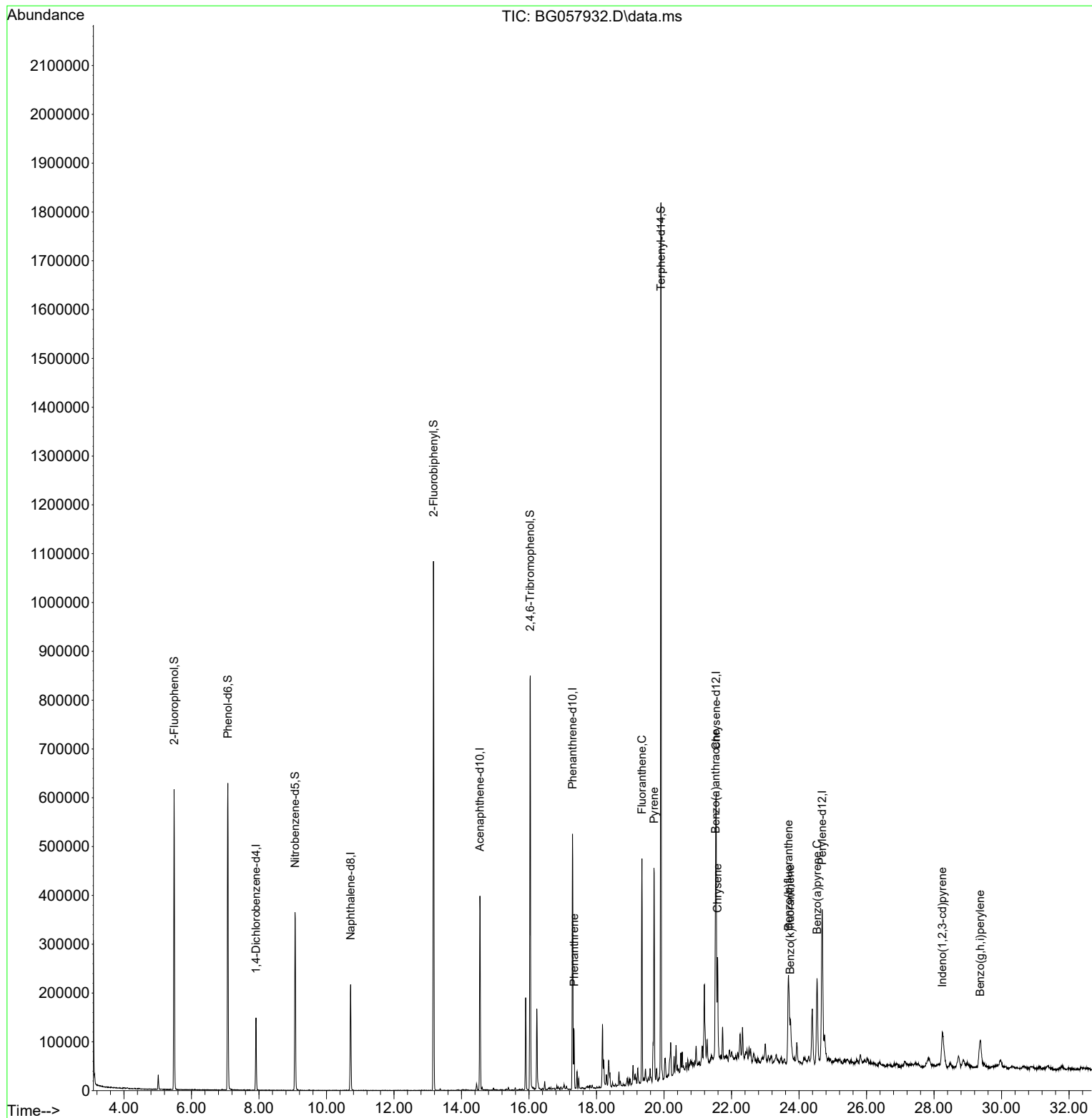
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
Data File : BG057932.D
Acq On : 1 Jul 2023 00:02
Operator : CG/JU
Sample : 03360-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

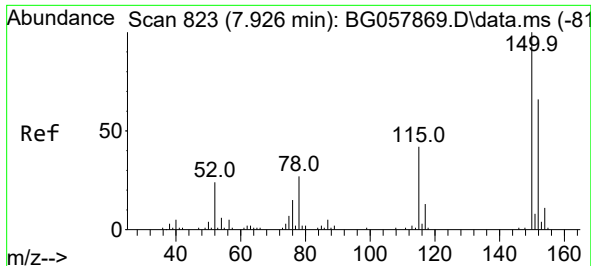
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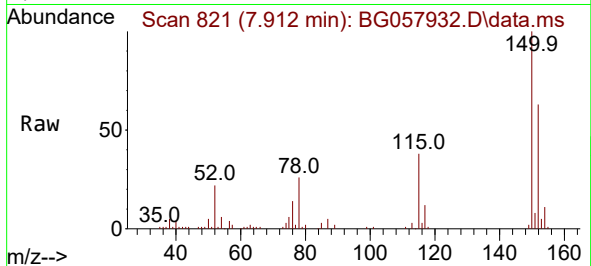
Quant Time: Jul 01 02:21:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 01:12:33 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.912 min Scan# 81
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

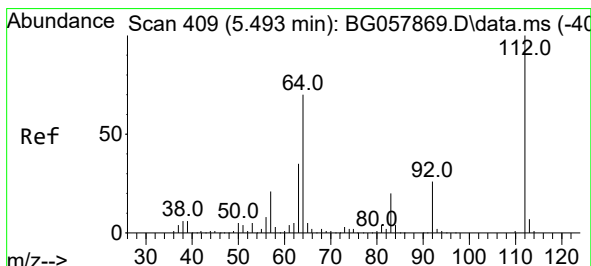
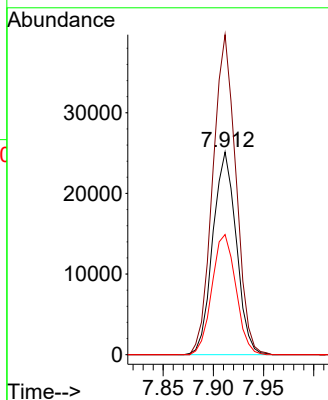
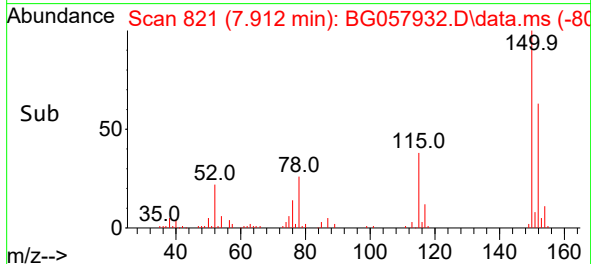
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BNA_G
ClientSampleId :
CE-88N-062023



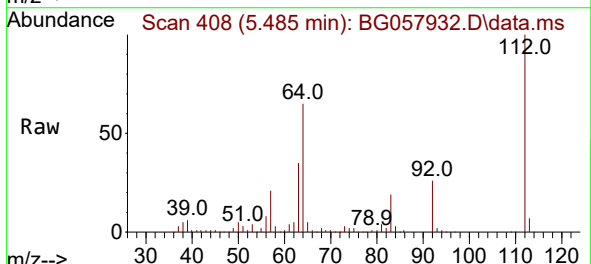
Tgt Ion:152 Resp: 40792
Ion Ratio Lower Upper
152 100
150 157.9 122.0 183.0
115 59.3 50.7 76.1

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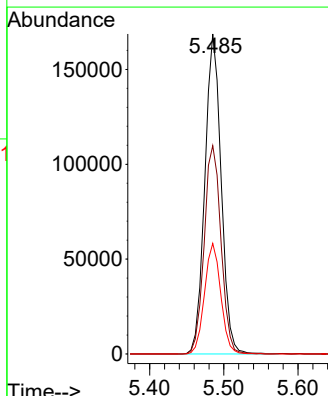
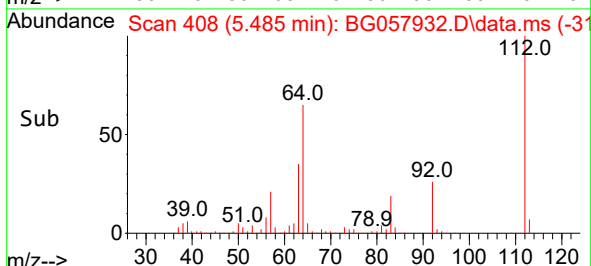
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

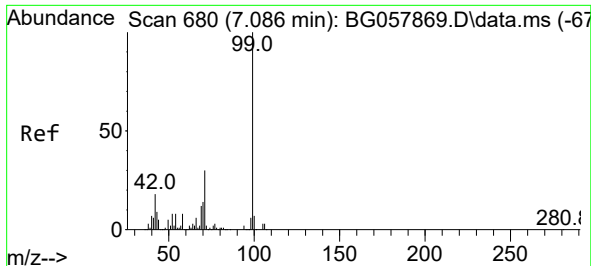


#5
2-Fluorophenol
Concen: 96.844 ng
RT: 5.485 min Scan# 408
Delta R.T. -0.008 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02



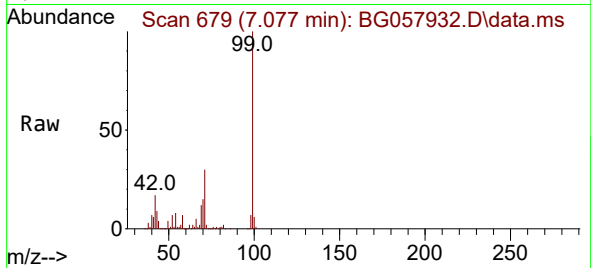
Tgt Ion:112 Resp: 258200
Ion Ratio Lower Upper
112 100
64 65.1 55.8 83.6
63 34.5 27.9 41.9





#7
Phenol-d6
Concen: 95.634 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

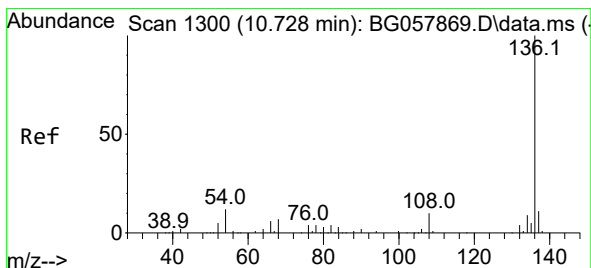
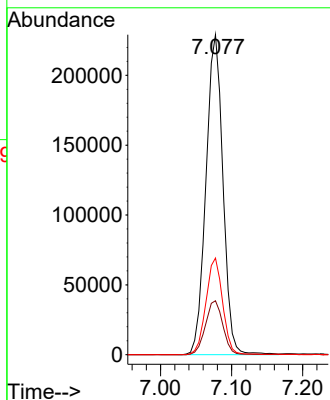
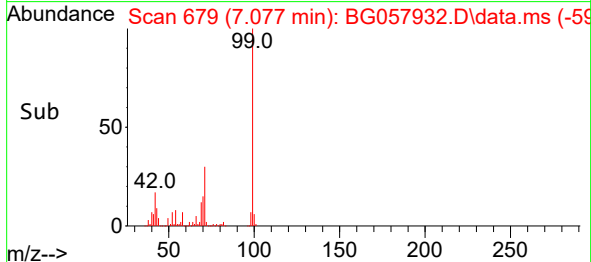
Instrument :
BNA_G
ClientSampleId :
CE-88N-062023



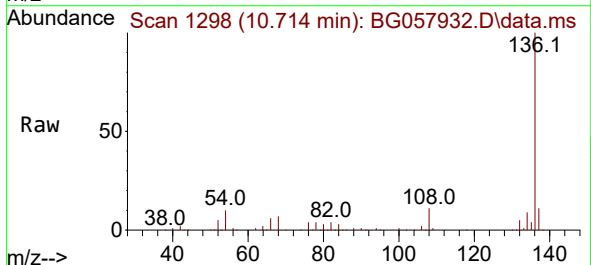
Tgt Ion: 99 Resp: 381279
Ion Ratio Lower Upper
99 100
42 16.9 14.2 21.4
71 30.2 23.9 35.9

Manual Integrations
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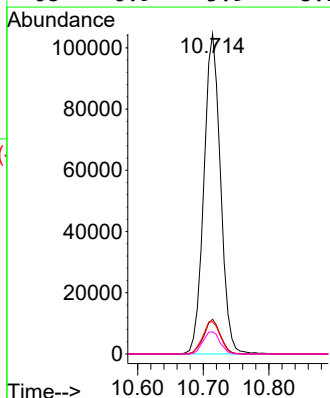
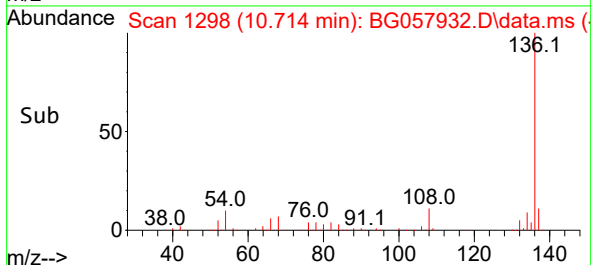
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

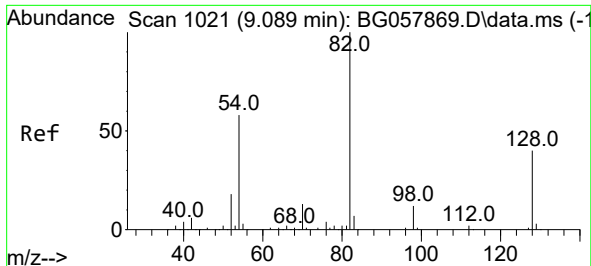


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.714 min Scan# 1298
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02



Tgt Ion:136 Resp: 184357
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.1 9.3 13.9
68 6.9 5.9 8.9





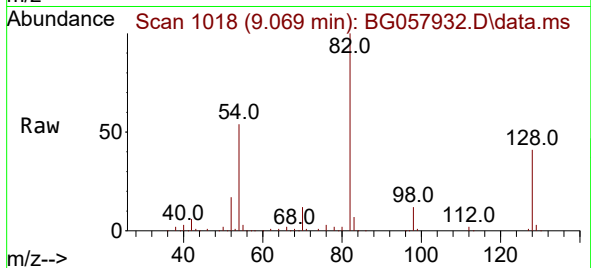
#23
Nitrobenzene-d5
Concen: 59.935 ng
RT: 9.069 min Scan# 1018
Delta R.T. -0.020 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

Instrument :

BNA_G

ClientSampleId :

CE-88N-062023

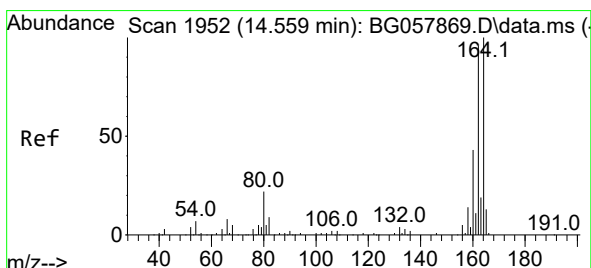
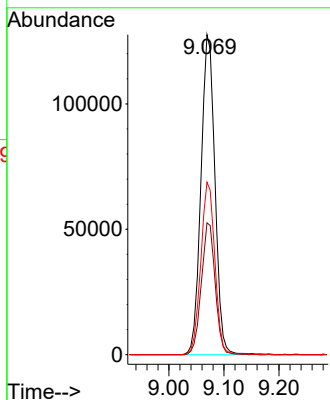
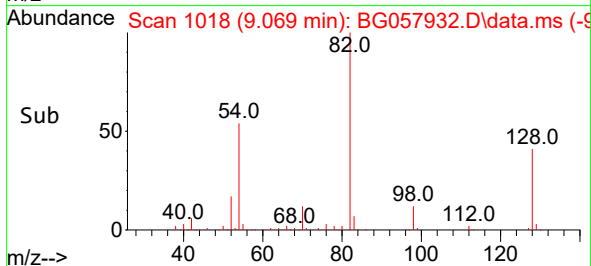


Tgt Ion: 82 Resp: 225463
Ion Ratio Lower Upper
82 100
128 41.2 32.2 48.4
54 53.9 46.1 69.1

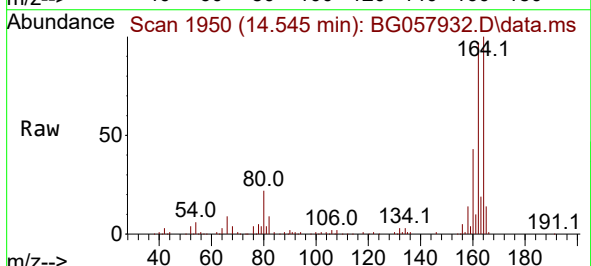
Manual Integrations

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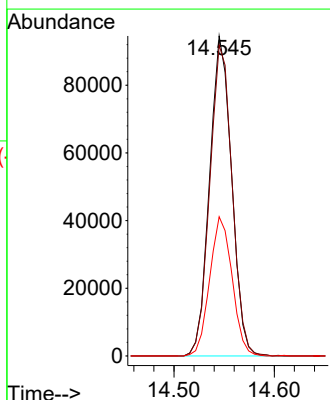
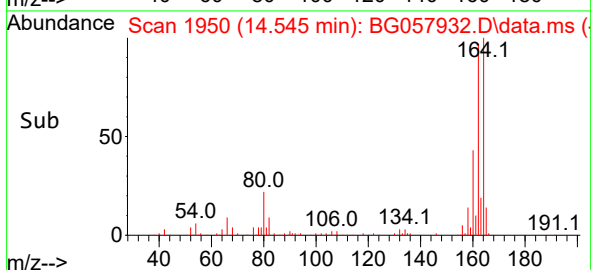
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

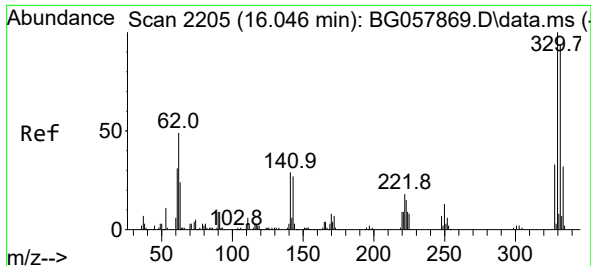


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02



Tgt Ion:164 Resp: 143965
Ion Ratio Lower Upper
164 100
162 97.1 76.4 114.6
160 43.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 77.896 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

Instrument :

BNA_G

ClientSampleId :

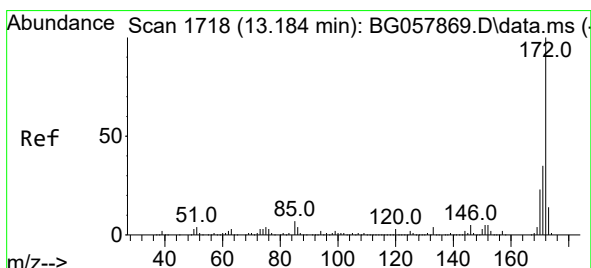
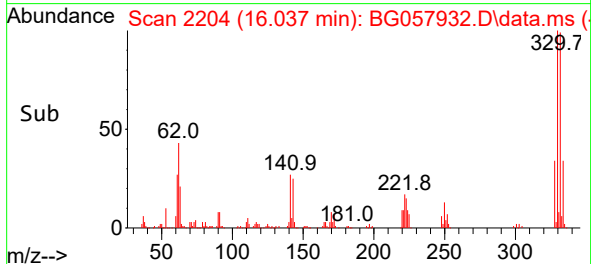
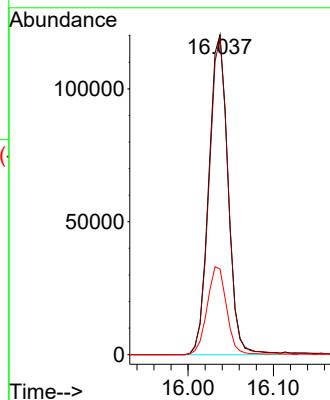
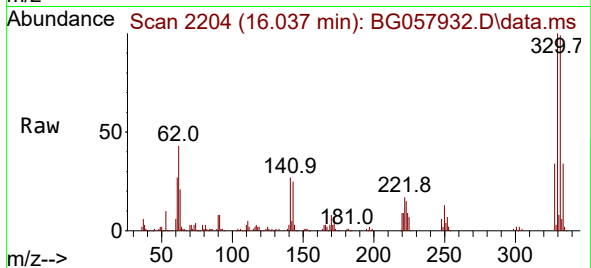
CE-88N-062023

Tgt Ion:330 Resp: 188354
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 27.7 22.2 33.4

Manual Integrations

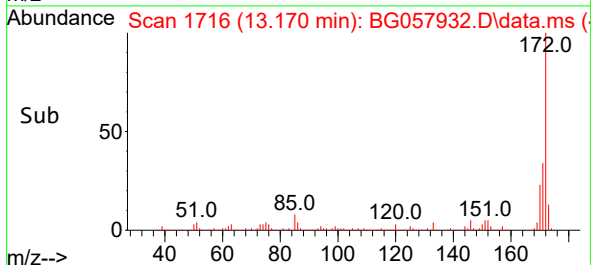
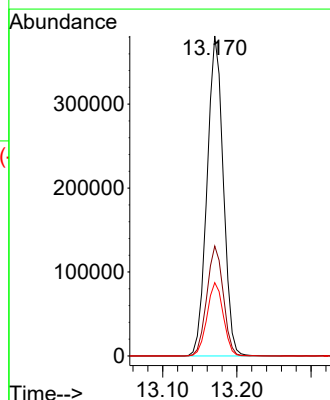
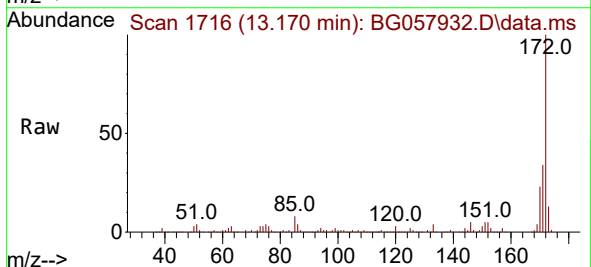
APPROVED

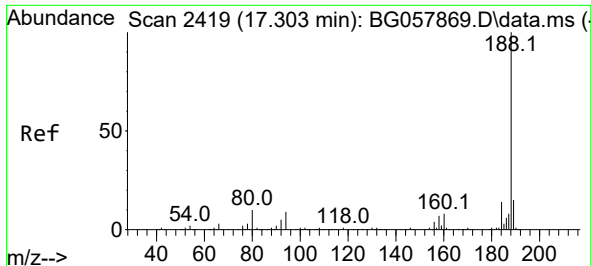
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#45
2-Fluorobiphenyl
Concen: 61.349 ng
RT: 13.170 min Scan# 1716
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

Tgt Ion:172 Resp: 578764
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 22.9 18.6 27.8





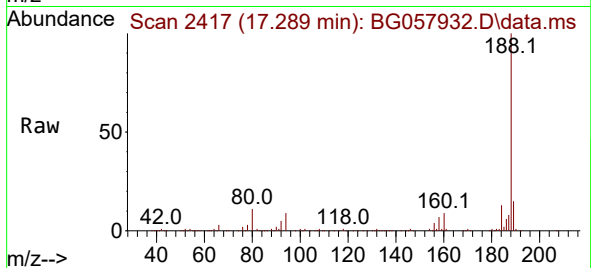
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.289 min Scan# 2419
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

Instrument :

BNA_G

ClientSampleId :

CE-88N-062023

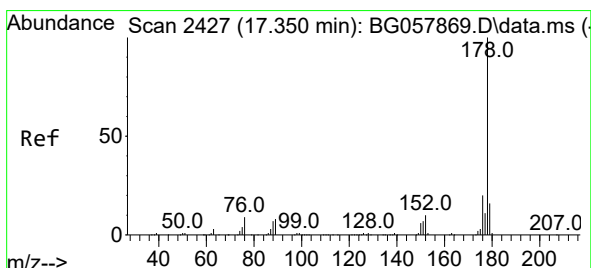
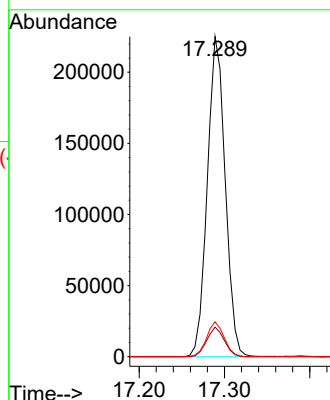
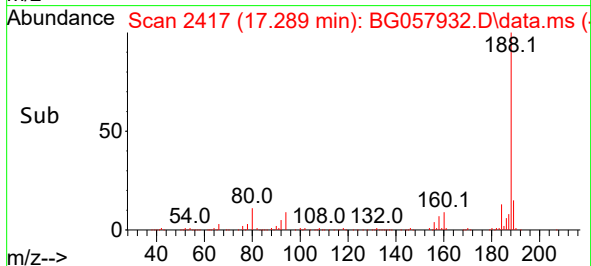


Tgt Ion:188 Resp: 328374
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.9 8.4 12.6

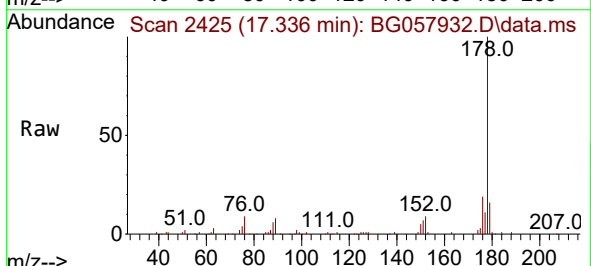
Manual Integrations

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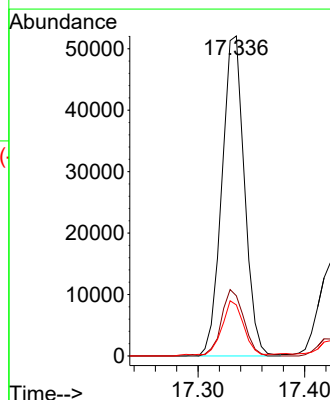
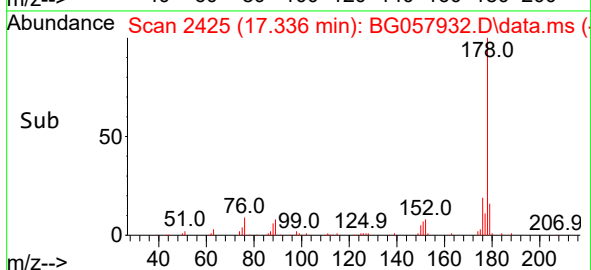
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

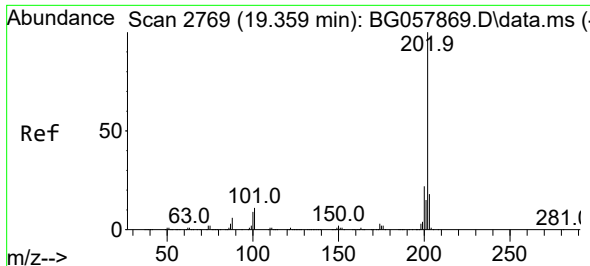


#71
Phenanthrene
Concen: 4.848 ng
RT: 17.336 min Scan# 2425
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02



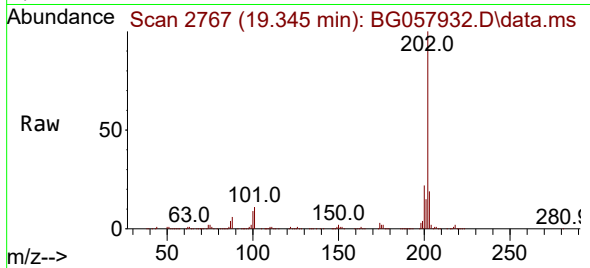
Tgt Ion:178 Resp: 76414
Ion Ratio Lower Upper
178 100
176 18.8 16.3 24.5
179 16.0 13.2 19.8





#75
Fluoranthene
Concen: 13.577 ng
RT: 19.345 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

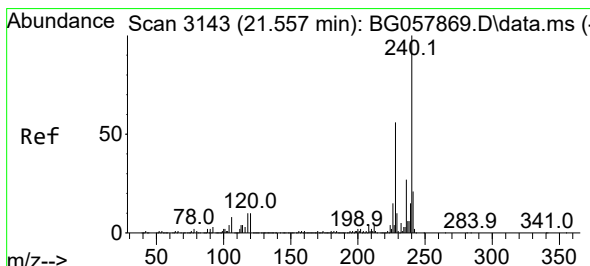
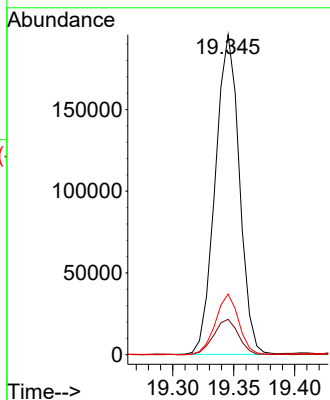
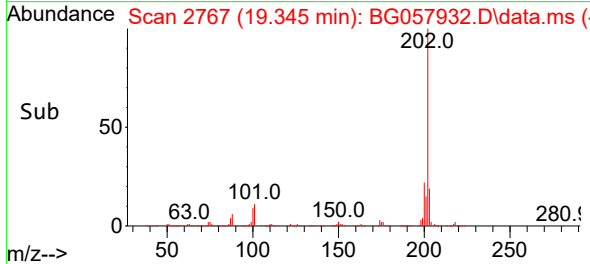
Instrument :
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ClientSampleId :
CE-88N-062023



Tgt Ion:202 Resp: 26960
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 18.9 0.0 38.2

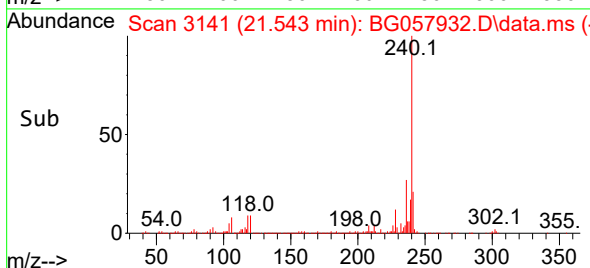
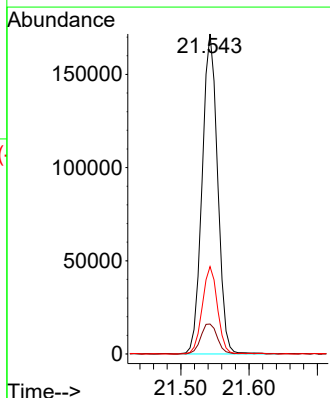
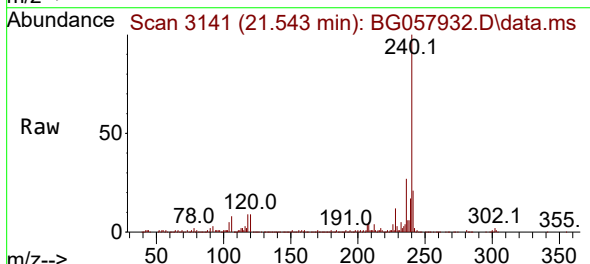
Manual Integrations
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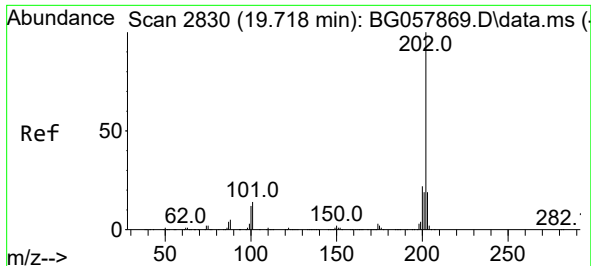
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.543 min Scan# 3141
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

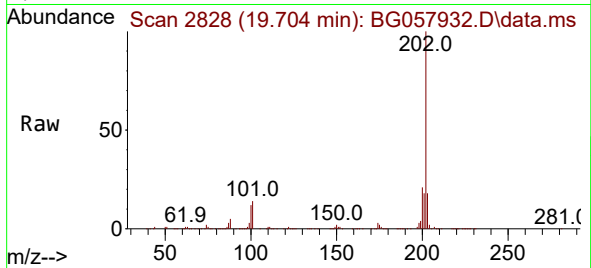
Tgt Ion:240 Resp: 271819
Ion Ratio Lower Upper
240 100
120 9.4 8.1 12.1
236 27.3 21.9 32.9





#78
Pyrene
Concen: 14.793 ng
RT: 19.704 min Scan# 2828
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

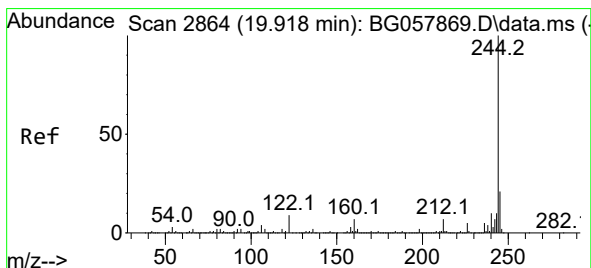
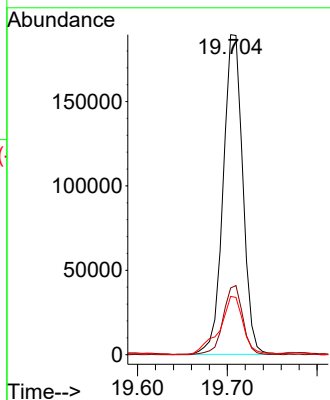
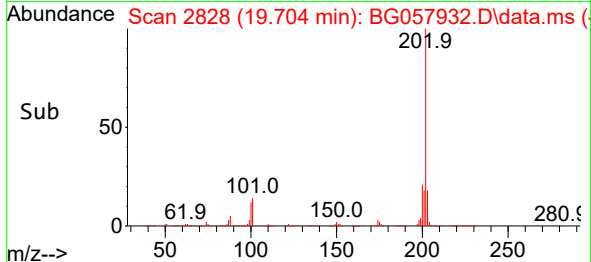
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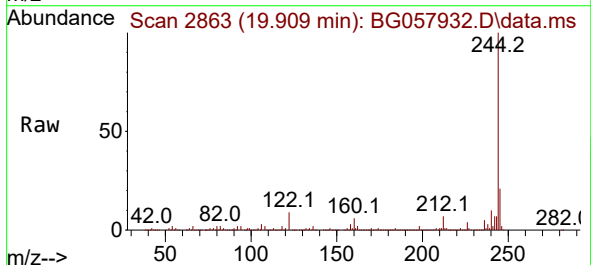
Tgt Ion:202 Resp: 28711
Ion Ratio Lower Upper
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200 20.9 17.7 26.5
203 18.2 15.2 22.8

Manual Integrations
APPROVED

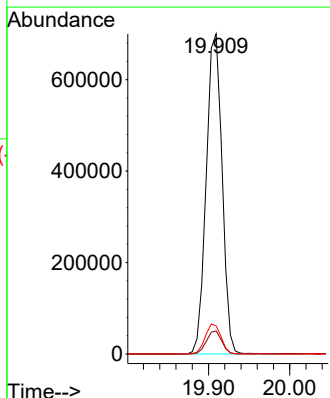
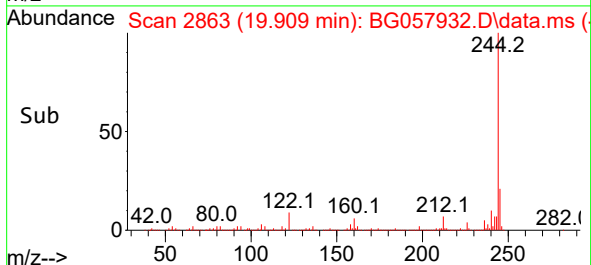
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

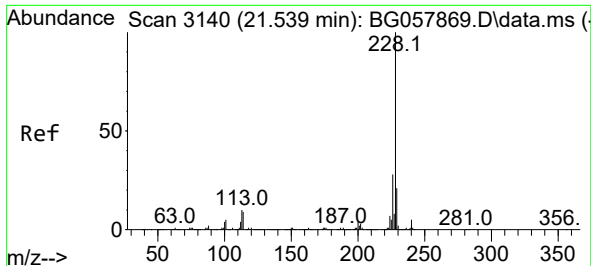


#79
Terphenyl-d14
Concen: 63.482 ng
RT: 19.909 min Scan# 2863
Delta R.T. -0.008 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02



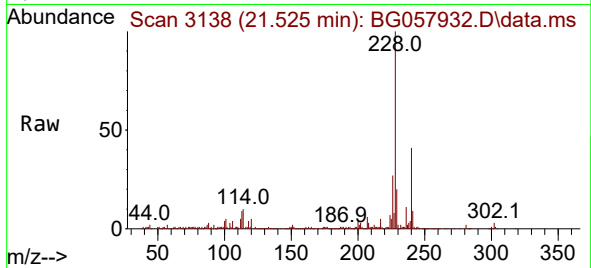
Tgt Ion:244 Resp: 946504
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 8.8 7.4 11.0





#81
Benzo(a)anthracene
Concen: 8.849 ng
RT: 21.525 min Scan# 3138
Delta R.T. -0.014 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

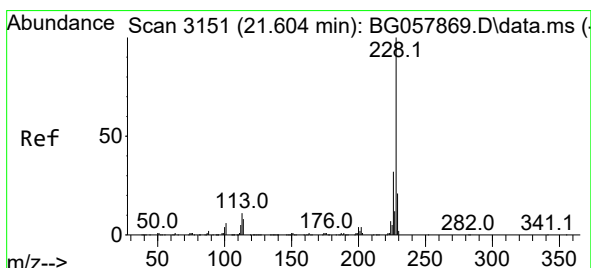
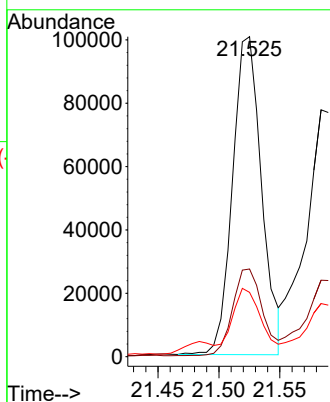
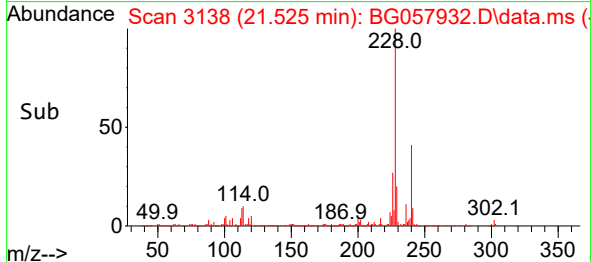
Instrument :
BNA_G
ClientSampleId :
CE-88N-062023



Tgt Ion:228 Resp: 166448
Ion Ratio Lower Upper
228 100
226 27.4 22.7 34.1
229 20.1 16.5 24.7

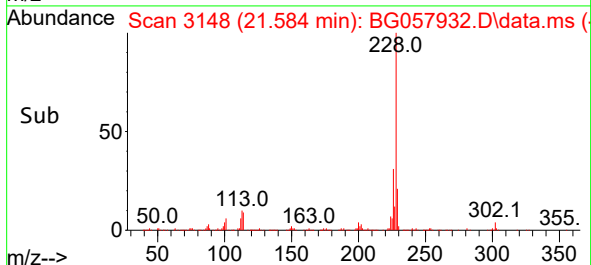
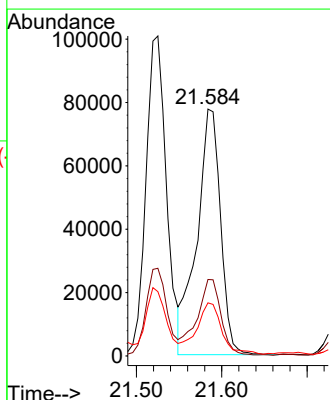
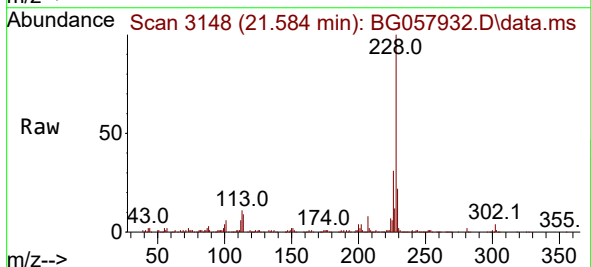
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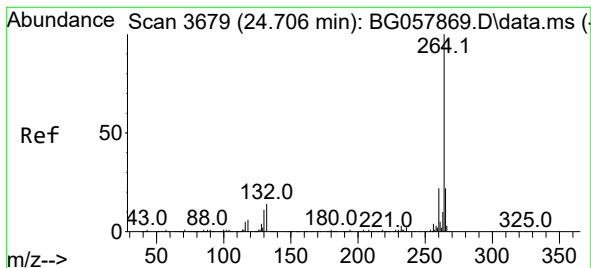
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#83
Chrysene
Concen: 8.403 ng
RT: 21.584 min Scan# 3148
Delta R.T. -0.020 min
Lab File: BG057932.D
Acq: 1 Jul 2023 00:02

Tgt Ion:228 Resp: 149609
Ion Ratio Lower Upper
228 100
226 31.0 25.3 37.9
229 21.5 16.5 24.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.020 min

Lab File: BG057932.D

Acq: 1 Jul 2023 00:02

Instrument :

BNA_G

ClientSampleId :

CE-88N-062023

Tgt Ion:264 Resp: 33555

Ion Ratio Lower Upper

264 100

260 22.4 17.8 26.8

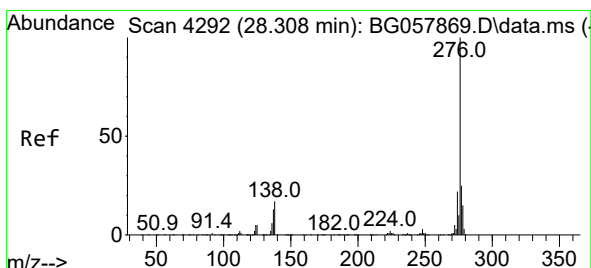
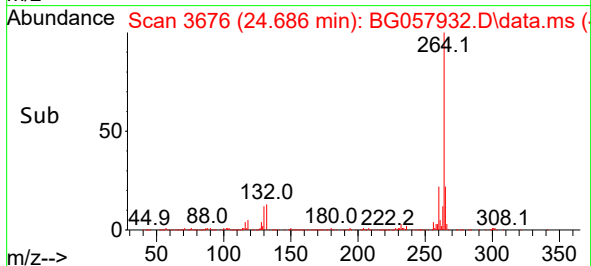
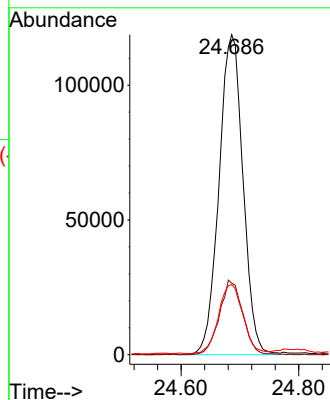
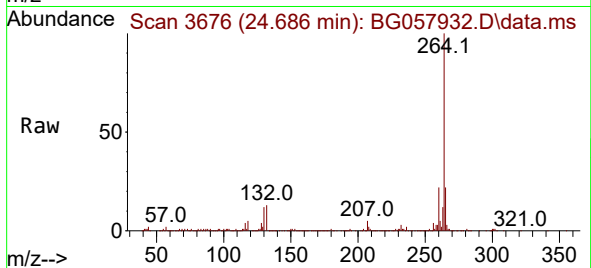
265 21.9 17.3 25.9

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Reviewed By :Yogesh Patel 07/02/2023

Supervised By :Sohil Jodhani 07/05/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.609 ng

RT: 28.247 min Scan# 4282

Delta R.T. -0.061 min

Lab File: BG057932.D

Acq: 1 Jul 2023 00:02

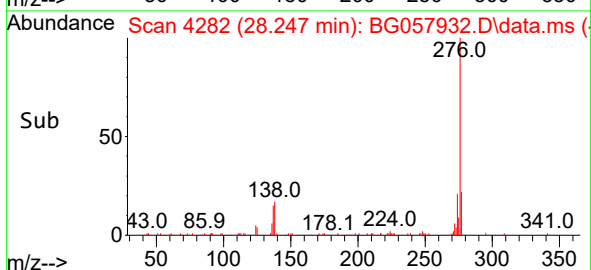
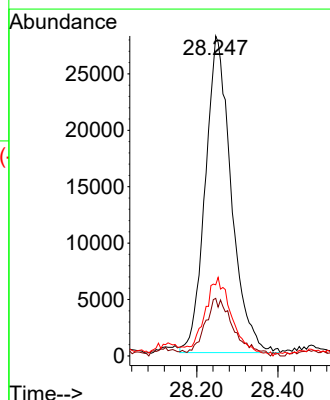
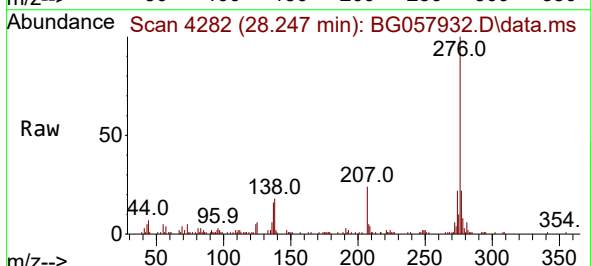
Tgt Ion:276 Resp: 124683

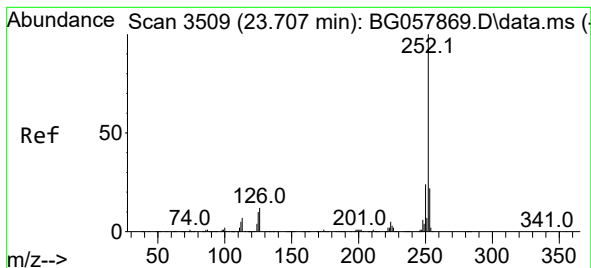
Ion Ratio Lower Upper

276 100

138 20.1 12.2 18.4#

277 26.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 13.013 ng

RT: 23.687 min Scan# 3506

Delta R.T. -0.020 min

Lab File: BG057932.D

Acq: 1 Jul 2023 00:02

Instrument :

BNA_G

ClientSampleId :

CE-88N-062023

Tgt Ion:252 Resp: 23815

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

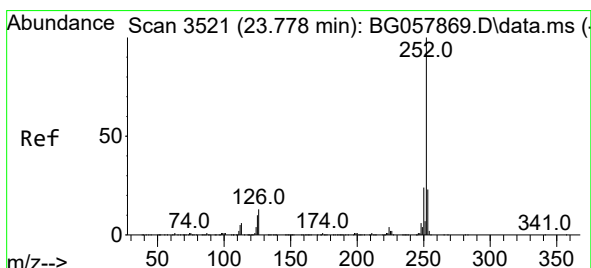
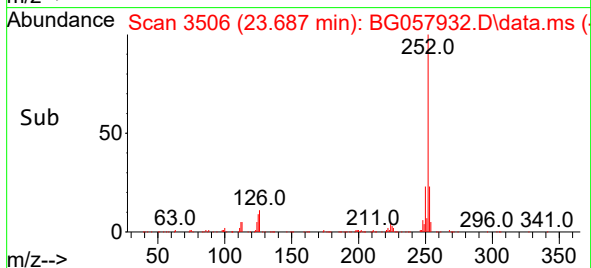
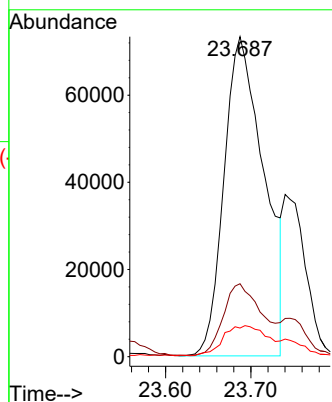
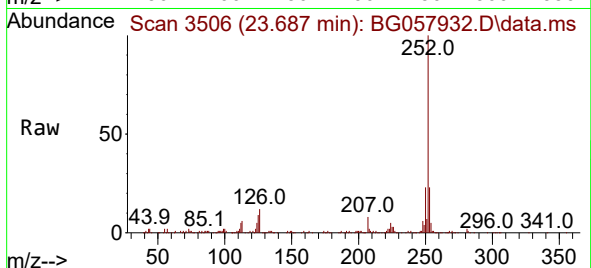
125 8.9 7.7 11.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/02/2023

Supervised By :Sohil Jodhani 07/05/2023



#89

Benzo(k)fluoranthene

Concen: 3.516 ng m

RT: 23.740 min Scan# 3515

Delta R.T. -0.038 min

Lab File: BG057932.D

Acq: 1 Jul 2023 00:02

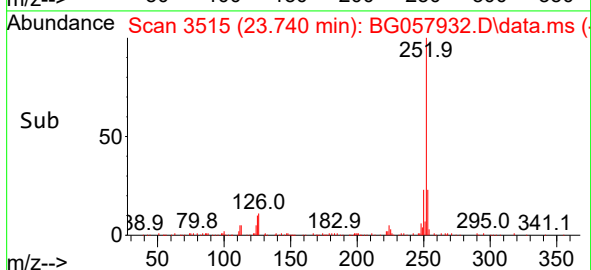
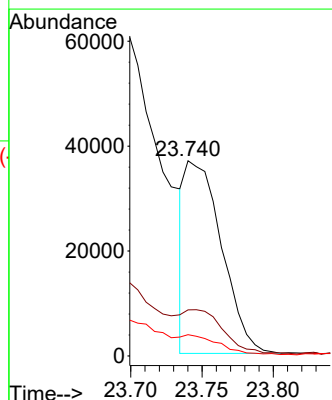
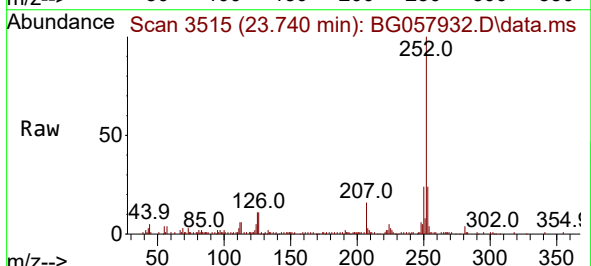
Tgt Ion:252 Resp: 65036

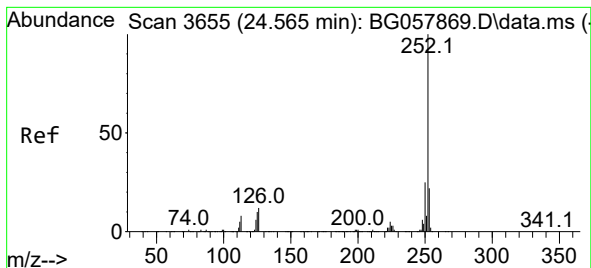
Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

125 10.9 7.8 11.6





#90

Benzo(a)pyrene

Concen: 10.107 ng

RT: 24.533 min Scan# 30

Delta R.T. -0.032 min

Lab File: BG057932.D

Acq: 1 Jul 2023 00:02

Instrument :

BNA_G

ClientSampleId :

CE-88N-062023

Tgt Ion:252 Resp: 183229

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

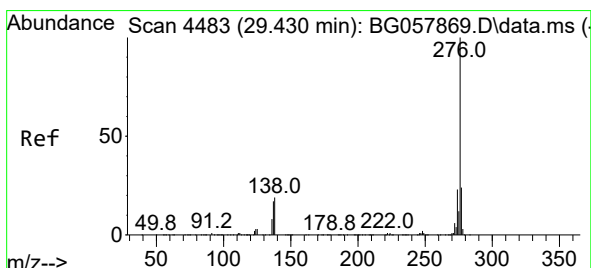
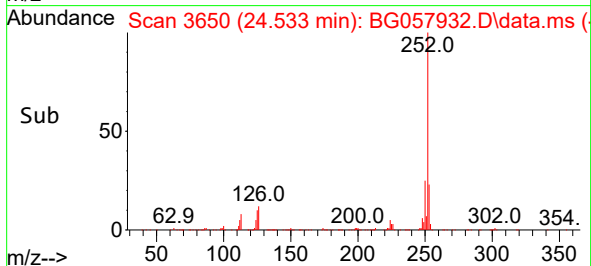
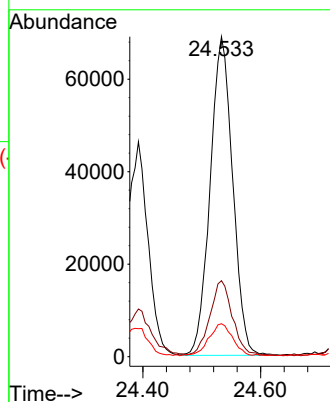
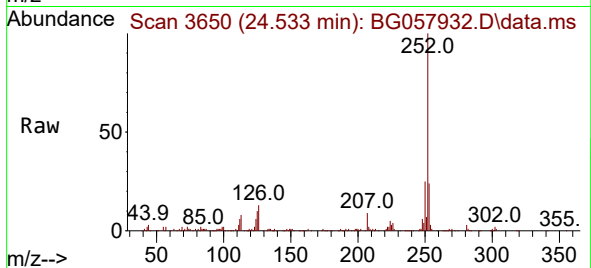
125 10.3 8.0 12.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/02/2023

Supervised By :Sohil Jodhani 07/05/2023



#92

Benzo(g,h,i)perylene

Concen: 6.882 ng

RT: 29.369 min Scan# 4473

Delta R.T. -0.061 min

Lab File: BG057932.D

Acq: 1 Jul 2023 00:02

Tgt Ion:276 Resp: 126121

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.2

138 18.6 15.0 22.6

