

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057612.D
 Acq On : 30 May 2023 18:52
 Operator : CG/JU
 Sample : 02955-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC21

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/31/2023
 Supervised By :Yogesh Patel 06/01/2023

Quant Time: May 31 03:29:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 03:25:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.343	152	23111	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	96385	20.000	ng	0.00
39) Acenaphthene-d10	14.951	164	76324	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	186465	20.000	ng	0.00
76) Chrysene-d12	21.995	240	162464	20.000	ng	0.00
86) Perylene-d12	25.478	264	179366	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	132076	99.285	ng	0.00
7) Phenol-d6	7.485	99	202052	97.053	ng	0.00
23) Nitrobenzene-d5	9.518	82	125775	61.000	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	105145	86.046	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	316254	59.548	ng	0.00
79) Terphenyl-d14	20.262	244	574369	61.240	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.727	202	34788	2.808	ng	98
78) Pyrene	20.086	202	40369	3.490	ng	98
81) Benzo(a)anthracene	21.977	228	33922	3.010	ng	95
83) Chrysene	22.042	228	33071	3.105	ng	95
84) Bis(2-ethylhexyl)phtha...	21.813	149	18176	3.025	ng	# 99
87) Indeno(1,2,3-cd)pyrene	29.508	276	49032	3.921	ng	# 85
88) Benzo(b)fluoranthene	24.362	252	98695	8.939	ng	99
89) Benzo(k)fluoranthene	24.427	252	25748m	2.311	ng	
90) Benzo(a)pyrene	25.314	252	59244	5.502	ng	96
92) Benzo(g,h,i)perylene	30.783	276	47398	4.670	ng	# 93

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

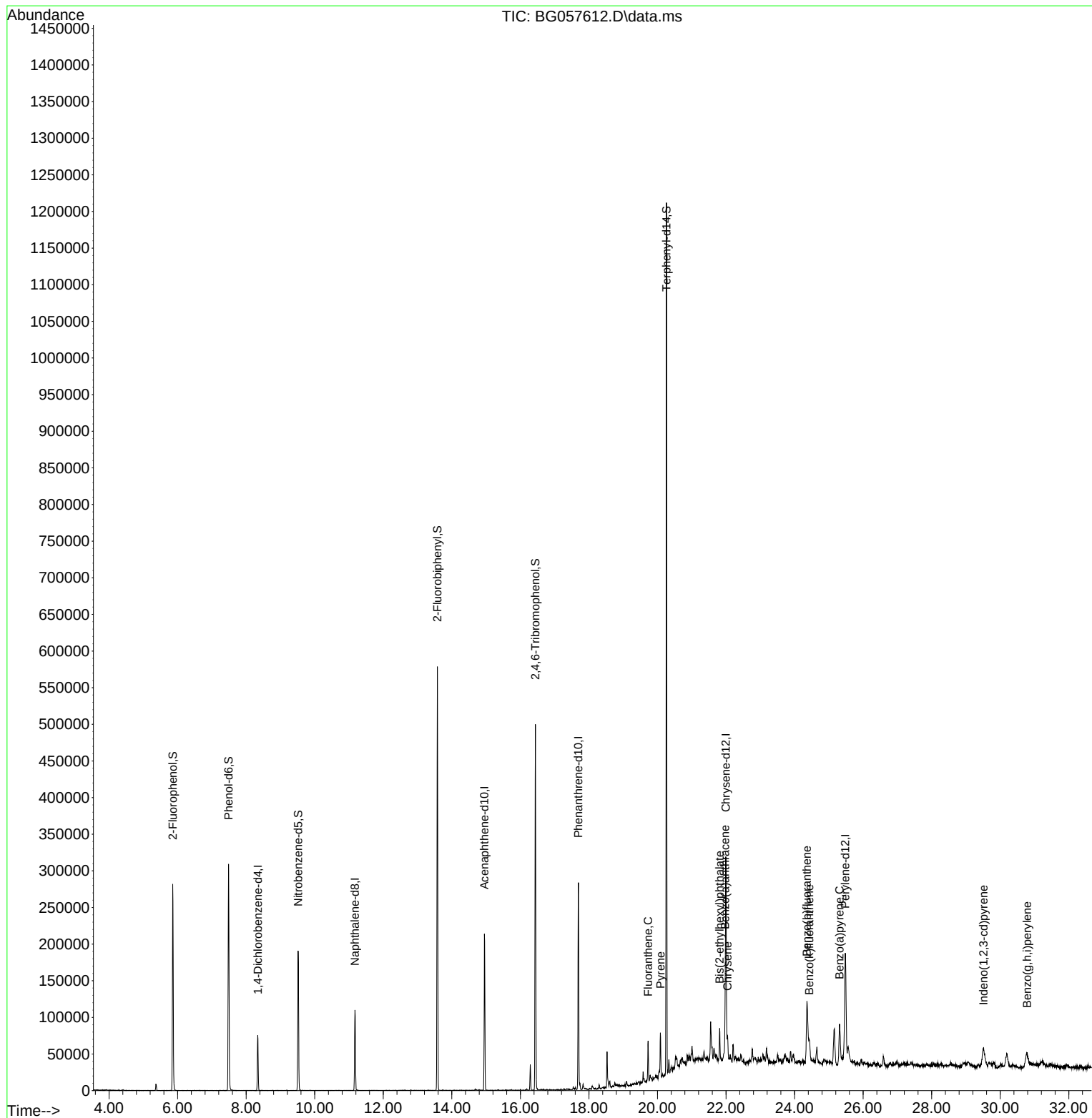
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057612.D
Acq On : 30 May 2023 18:52
Operator : CG/JU
Sample : 02955-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

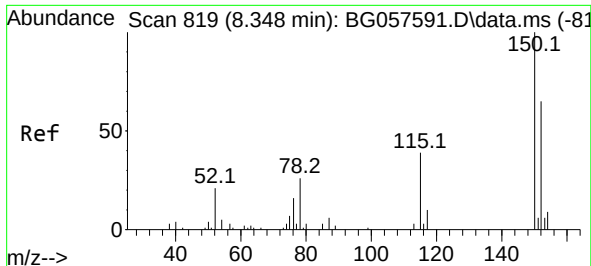
Instrument :
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ClientSampleId :
WC21

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Supervised By : Yogesh Patel 06/01/2023

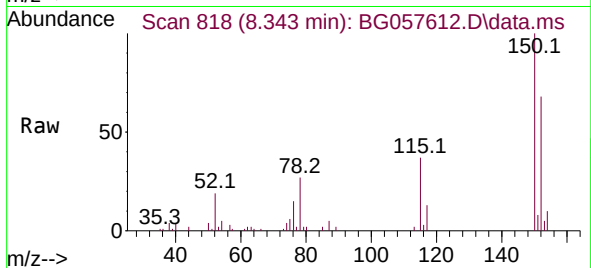
Quant Time: May 31 03:29:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 31 03:25:39 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.343 min Scan# 819
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

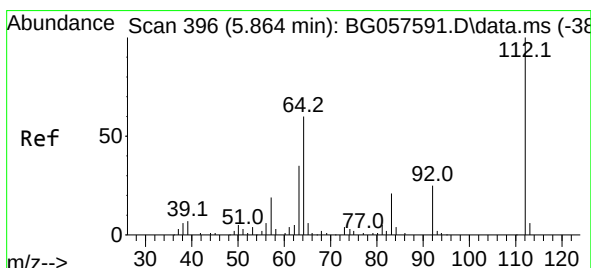
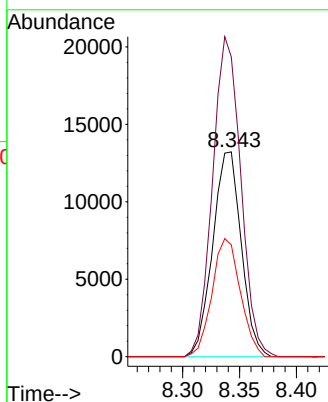
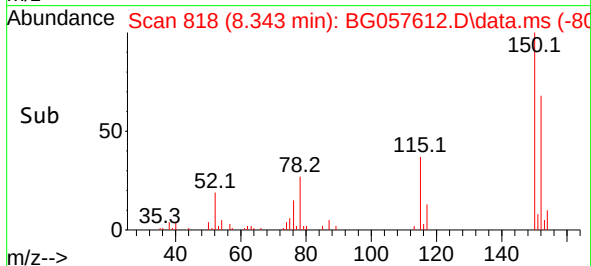
Instrument :
BNA_G
ClientSampleId :
WC21



Tgt Ion:152 Resp: 2311
Ion Ratio Lower Upper
152 100
150 146.3 123.0 184.4
115 54.6 47.4 71.2

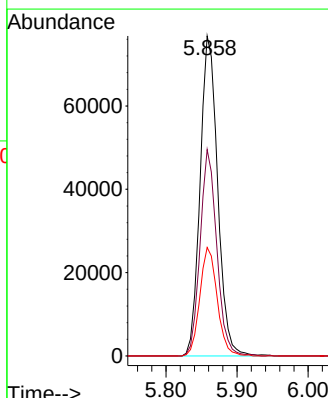
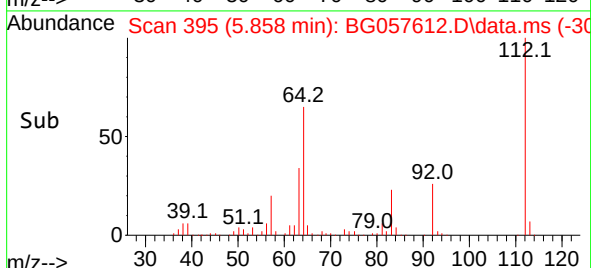
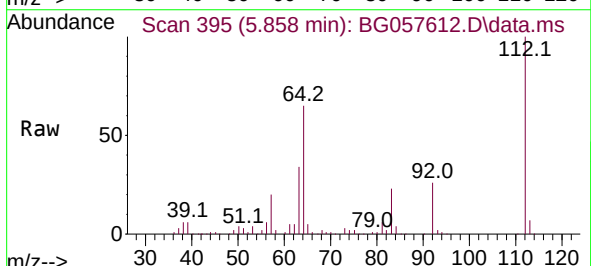
Manual Integrations
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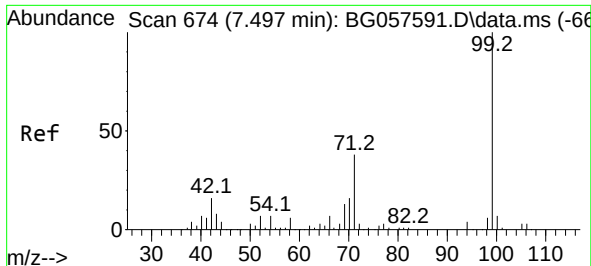
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#5
2-Fluorophenol
Concen: 99.285 ng
RT: 5.858 min Scan# 395
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion:112 Resp: 132076
Ion Ratio Lower Upper
112 100
64 64.5 47.8 71.6
63 33.9 27.8 41.8





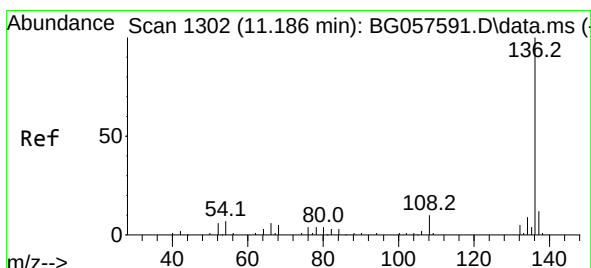
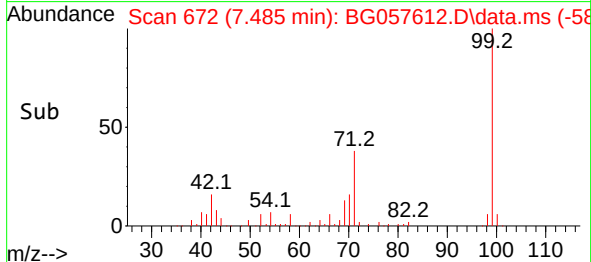
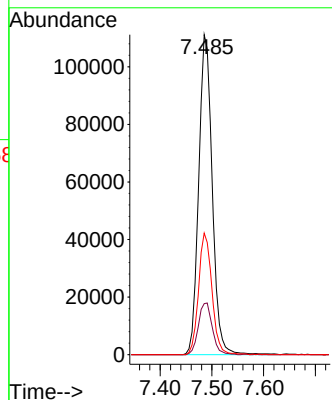
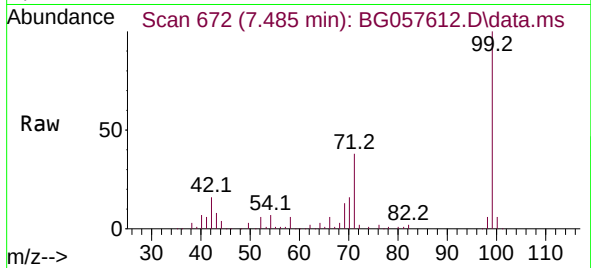
#7
Phenol-d6
Concen: 97.053 ng
RT: 7.485 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Instrument :
BNA_G
ClientSampleId :
WC21

Tgt Ion: 99 Resp: 20205
Ion Ratio Lower Upper
99 100
42 16.0 12.8 19.2
71 38.0 30.3 45.5

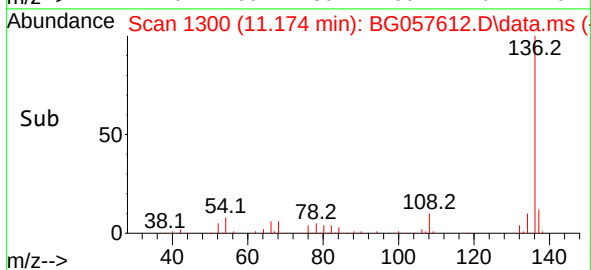
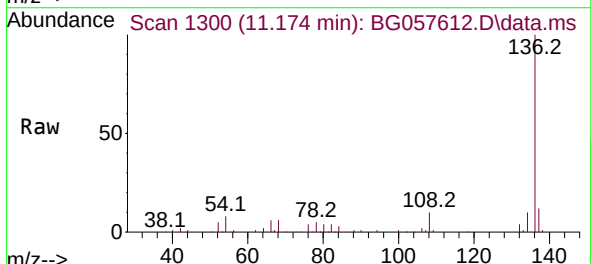
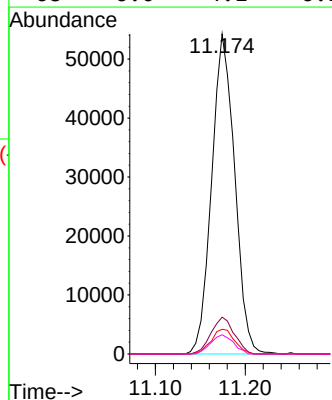
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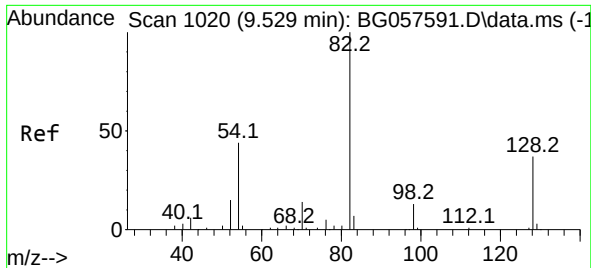
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 1300
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

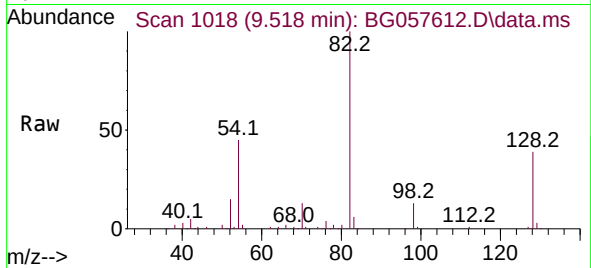
Tgt Ion:136 Resp: 96385
Ion Ratio Lower Upper
136 100
137 11.5 9.8 14.8
54 7.7 5.8 8.6
68 6.0 4.1 6.1





#23
Nitrobenzene-d5
Concen: 61.000 ng
RT: 9.518 min Scan# 1018
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

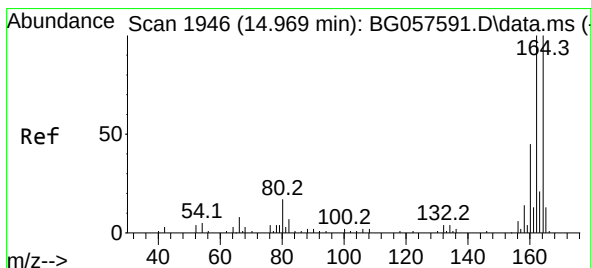
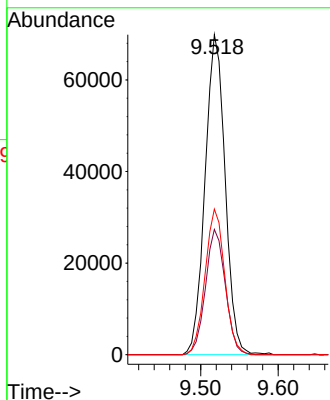
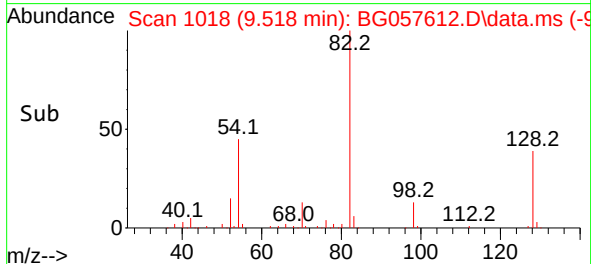
Instrument :
BNA_G
ClientSampleId :
WC21



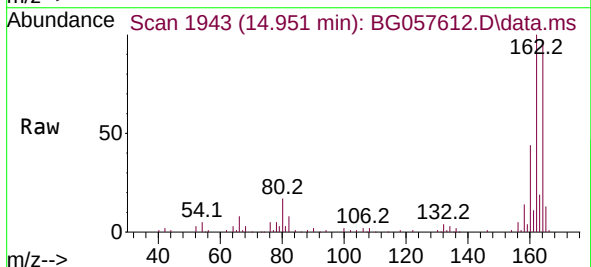
Tgt Ion: 82 Resp: 125775
Ion Ratio Lower Upper
82 100
128 39.2 30.0 45.0
54 45.5 35.2 52.8

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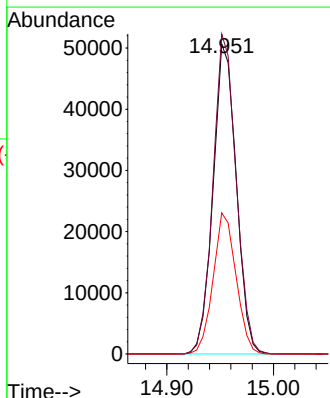
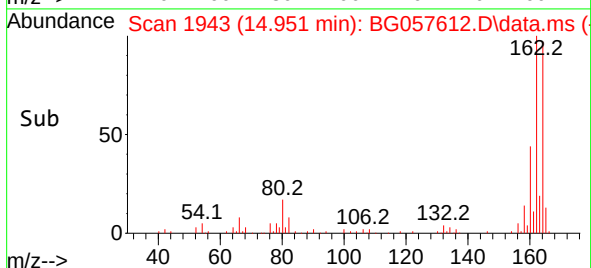
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

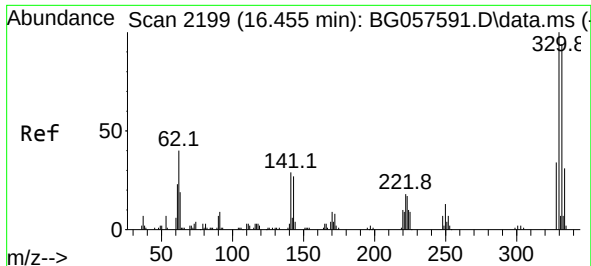


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.951 min Scan# 1943
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52



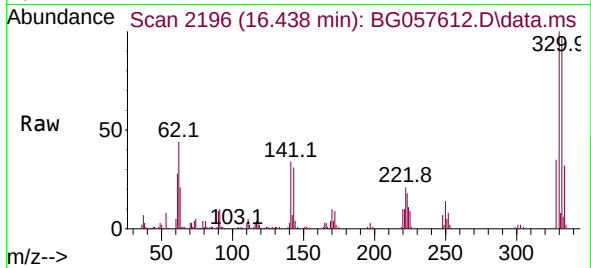
Tgt Ion:164 Resp: 76324
Ion Ratio Lower Upper
164 100
162 103.3 80.1 120.1
160 45.5 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 86.046 ng
RT: 16.438 min Scan# 2199
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

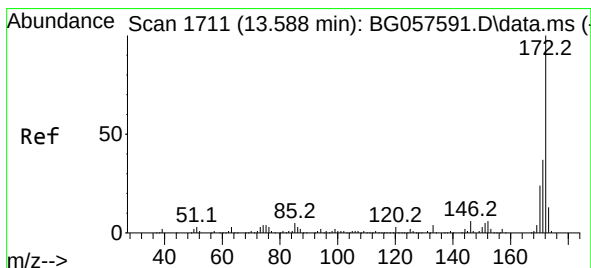
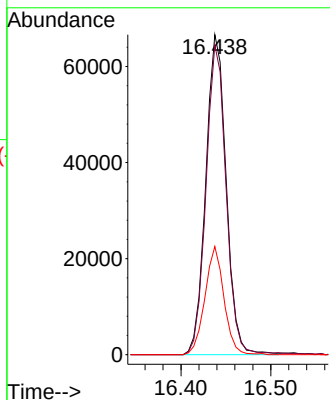
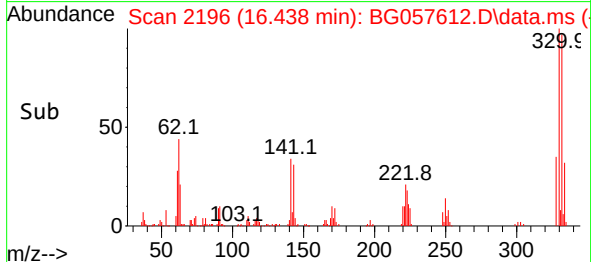
Instrument :
BNA_G
ClientSampleId :
WC21



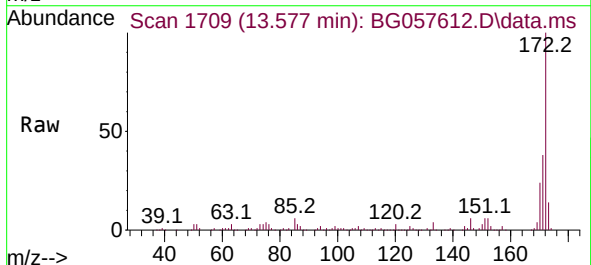
Tgt Ion:330 Resp: 10514
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 31.4 24.6 37.0

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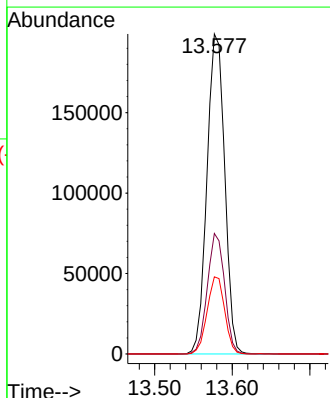
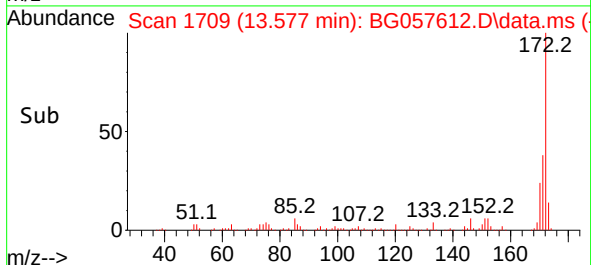
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

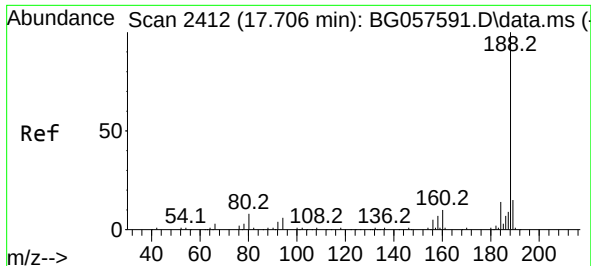


#45
2-Fluorobiphenyl
Concen: 59.548 ng
RT: 13.577 min Scan# 1709
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52



Tgt Ion:172 Resp: 316254
Ion Ratio Lower Upper
172 100
171 37.6 29.2 43.8
170 24.1 19.0 28.4





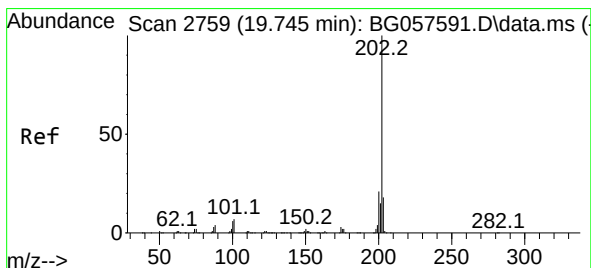
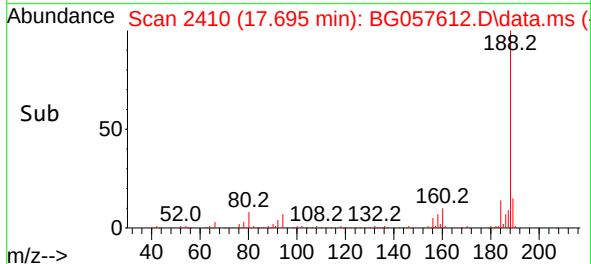
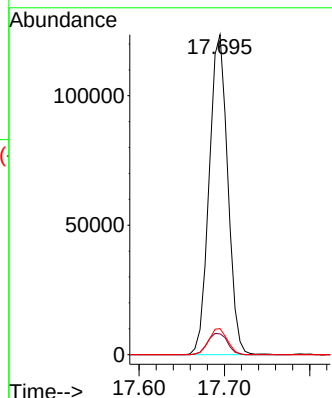
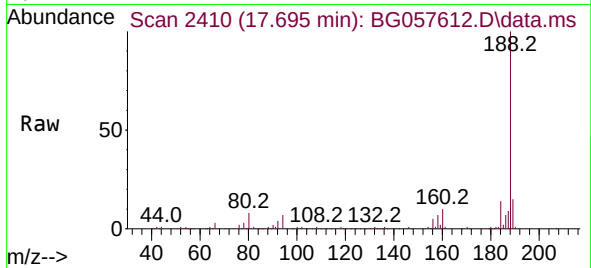
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2412
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Instrument :
BNA_G
ClientSampleId :
WC21

Tgt Ion:188 Resp: 18646
Ion Ratio Lower Upper
188 100
94 6.5 5.2 7.8
80 8.1 6.7 10.1

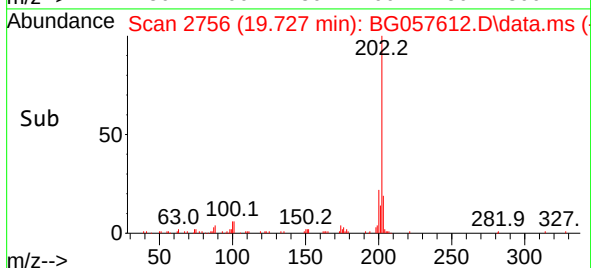
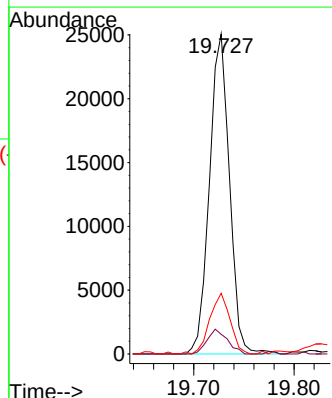
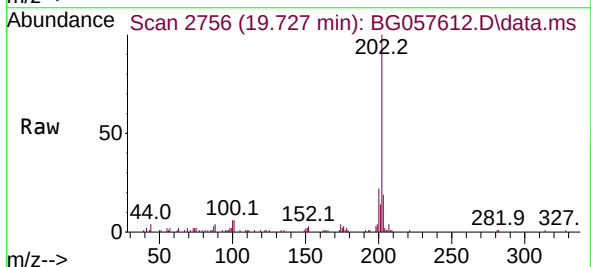
Manual Integrations
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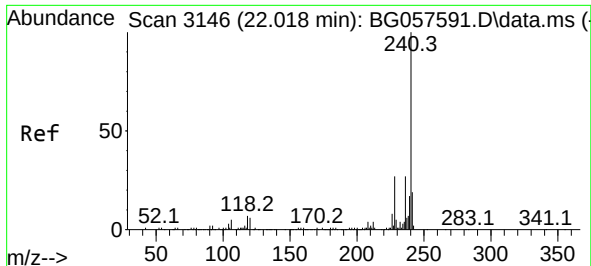
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#75
Fluoranthene
Concen: 2.808 ng
RT: 19.727 min Scan# 2756
Delta R.T. -0.001 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

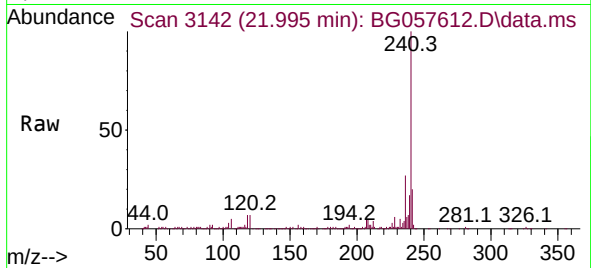
Tgt Ion:202 Resp: 34788
Ion Ratio Lower Upper
202 100
101 6.1 0.0 27.5
203 18.9 0.0 38.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.995 min Scan# 3146
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

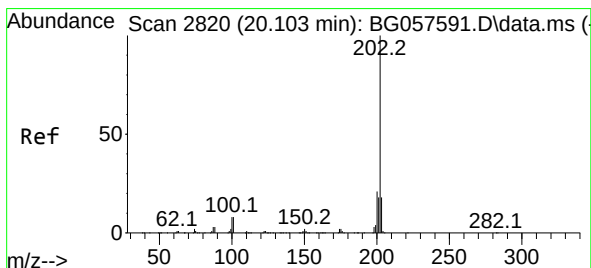
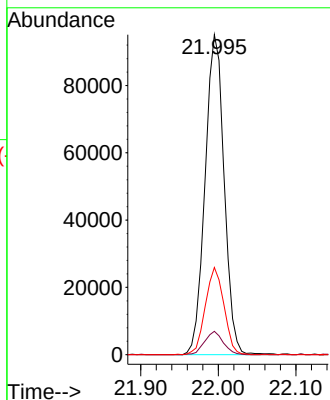
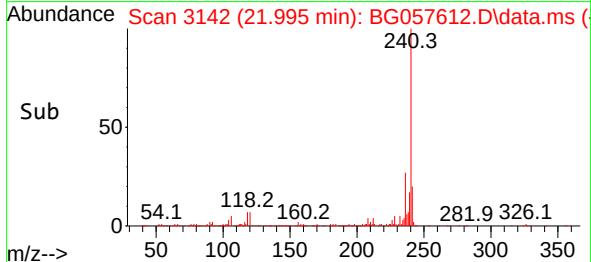
Instrument :
BNA_G
ClientSampleId :
WC21



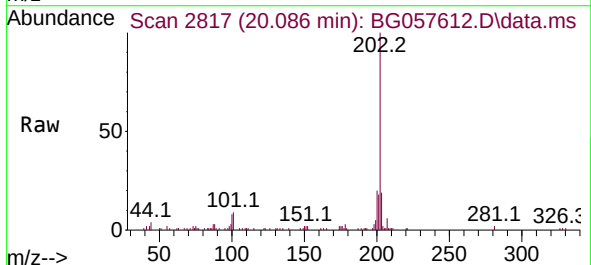
Tgt Ion:240 Resp: 162464
Ion Ratio Lower Upper
240 100
120 7.3 5.2 7.8
236 27.3 21.4 32.0

Manual Integrations
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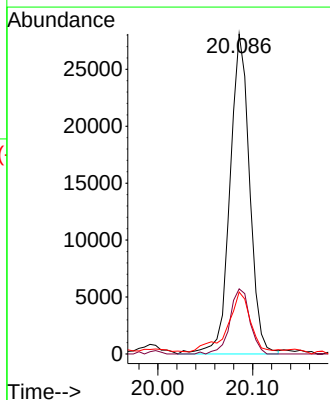
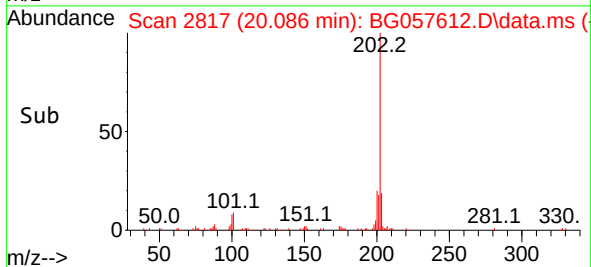
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

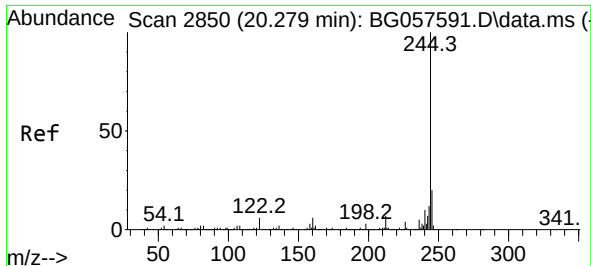


#78
Pyrene
Concen: 3.490 ng
RT: 20.086 min Scan# 2817
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52



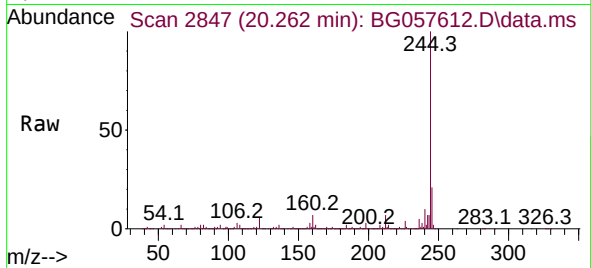
Tgt Ion:202 Resp: 40369
Ion Ratio Lower Upper
202 100
200 20.4 16.8 25.2
203 19.4 14.5 21.7





#79
 Terphenyl-d14
 Concen: 61.240 ng
 RT: 20.262 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057612.D
 Acq: 30 May 2023 18:52

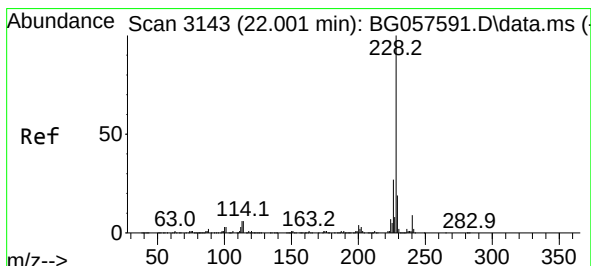
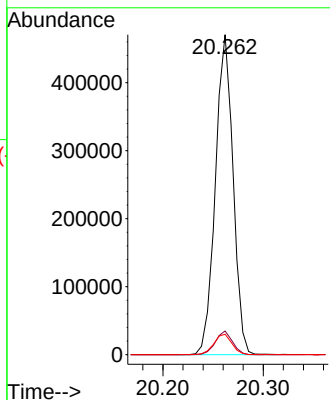
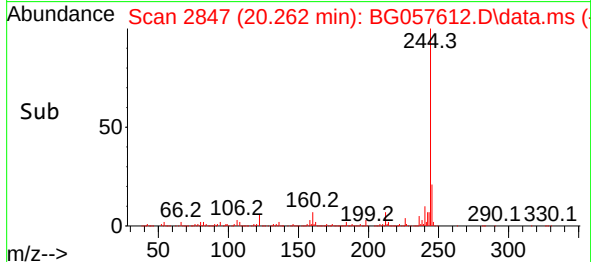
Instrument :
 BNA_G
 ClientSampleId :
 WC21



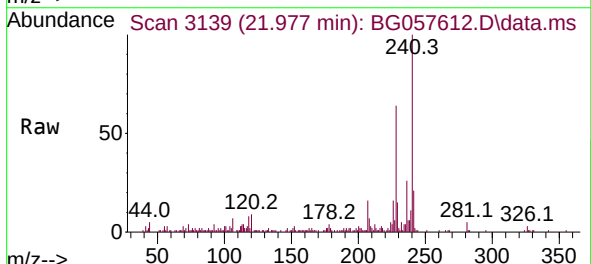
Tgt Ion:244 Resp: 574369
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 6.4 4.8 7.2

Manual Integrations
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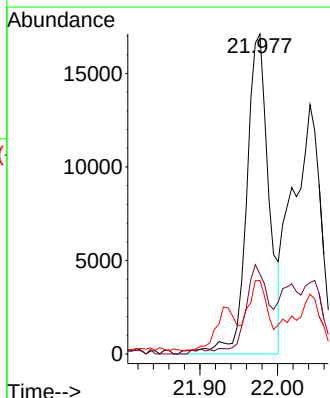
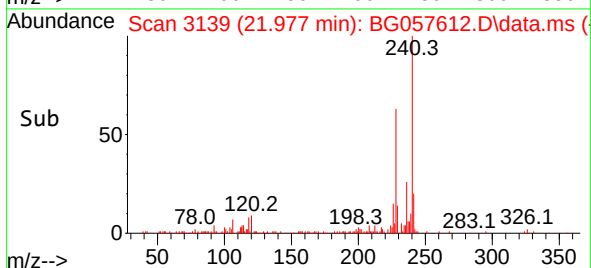
Reviewed By :Christian Giraldo 05/31/2023
 Supervised By :Yogesh Patel 06/01/2023

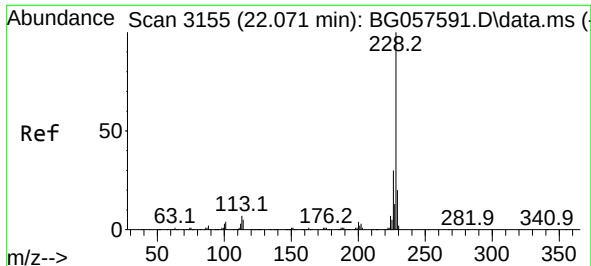


#81
 Benzo(a)anthracene
 Concen: 3.010 ng
 RT: 21.977 min Scan# 3139
 Delta R.T. -0.001 min
 Lab File: BG057612.D
 Acq: 30 May 2023 18:52



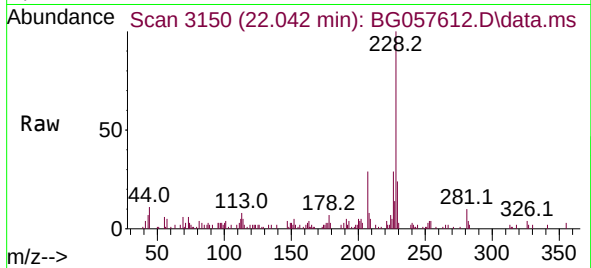
Tgt Ion:228 Resp: 33922
 Ion Ratio Lower Upper
 228 100
 226 25.0 21.4 32.0
 229 23.0 15.4 23.2





#83
Chrysene
Concen: 3.105 ng
RT: 22.042 min Scan# 3155
Delta R.T. -0.013 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

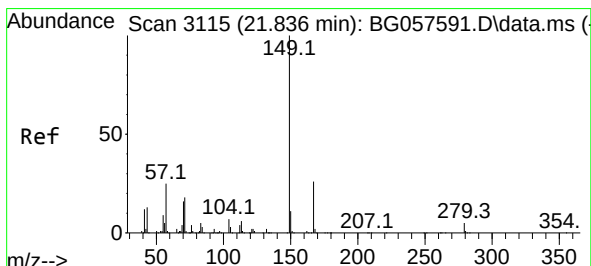
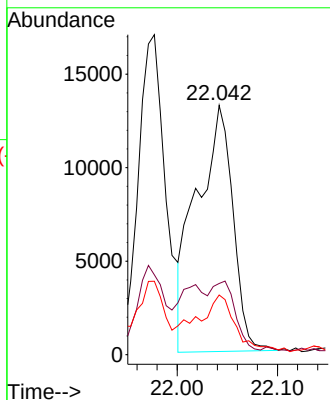
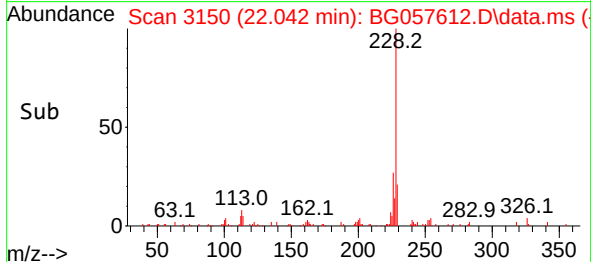
Instrument :
BNA_G
ClientSampleId :
WC21



Tgt Ion:228 Resp: 3307
Ion Ratio Lower Upper
228 100
226 28.5 24.3 36.5
229 23.9 16.0 24.0

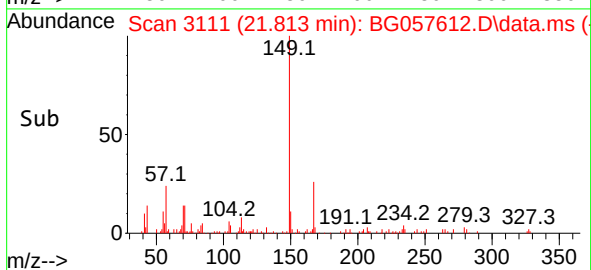
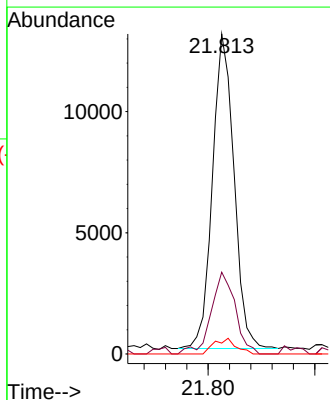
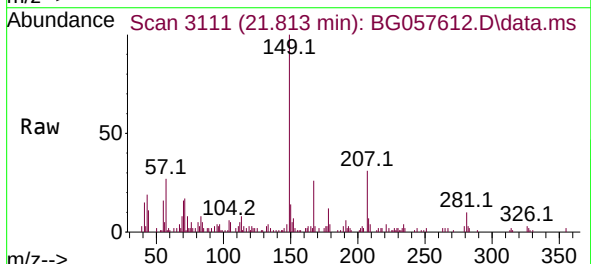
Manual Integrations
APPROVED

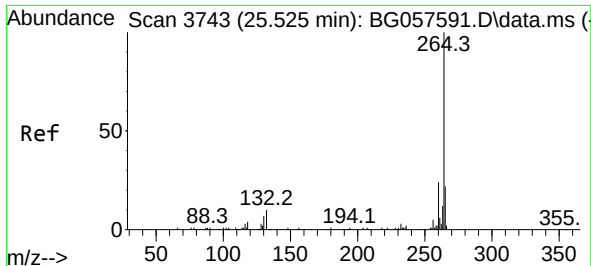
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.025 ng
RT: 21.813 min Scan# 3111
Delta R.T. -0.007 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

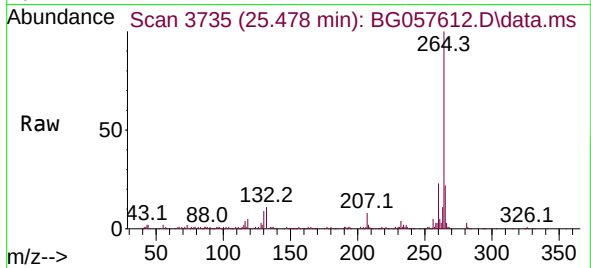
Tgt Ion:149 Resp: 18176
Ion Ratio Lower Upper
149 100
167 25.6 20.6 31.0
279 3.4 3.6 5.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.478 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

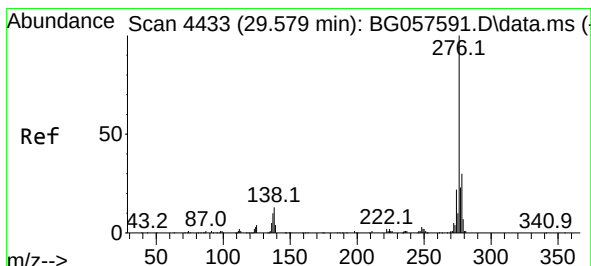
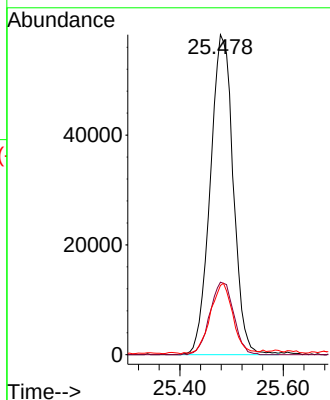
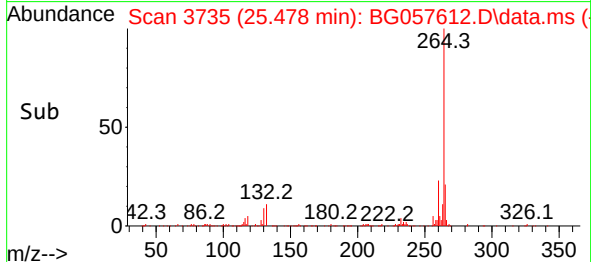
Instrument :
BNA_G
ClientSampleId :
WC21



Tgt Ion:264 Resp: 179360
Ion Ratio Lower Upper
264 100
260 22.7 19.1 28.7
265 21.6 17.7 26.5

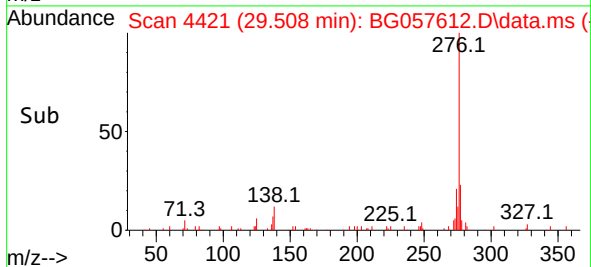
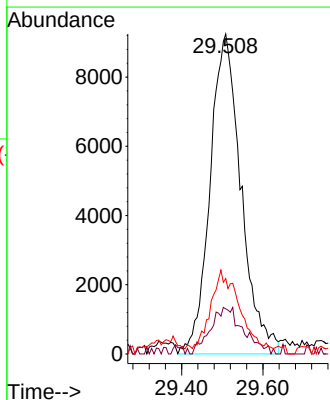
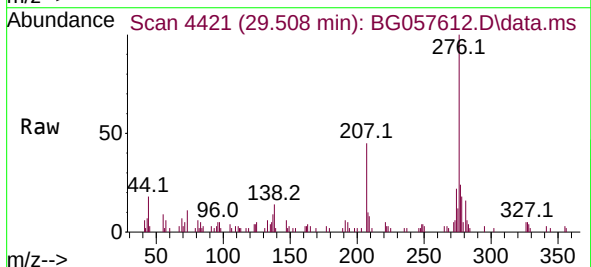
Manual Integrations
APPROVED

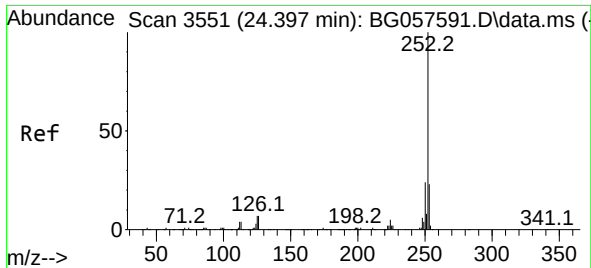
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.921 ng
RT: 29.508 min Scan# 4421
Delta R.T. -0.013 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

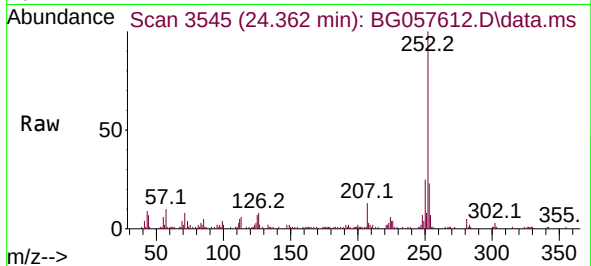
Tgt Ion:276 Resp: 49032
Ion Ratio Lower Upper
276 100
138 0.0 12.3 18.5#
277 25.0 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 8.939 ng
RT: 24.362 min Scan# 3551
Delta R.T. -0.013 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

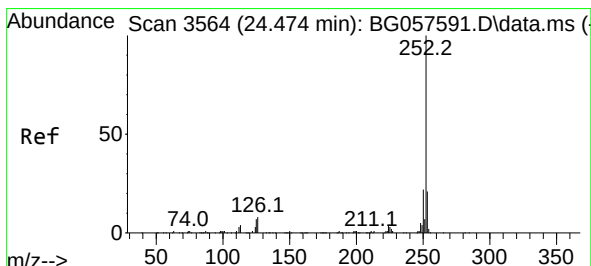
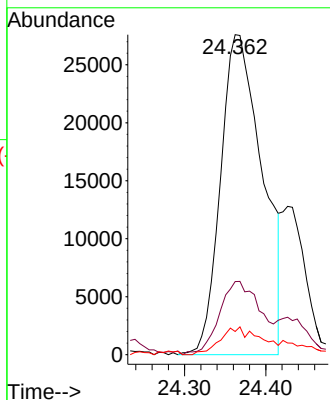
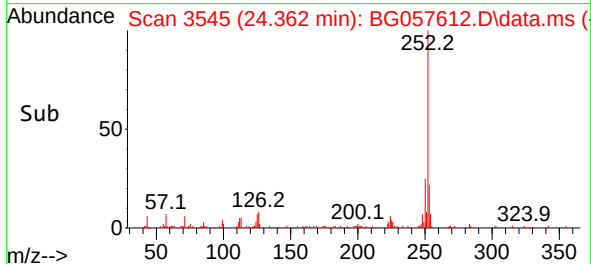
Instrument :
BNA_G
ClientSampleId :
WC21



Tgt Ion:252 Resp: 9869
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 7.2 5.2 7.8

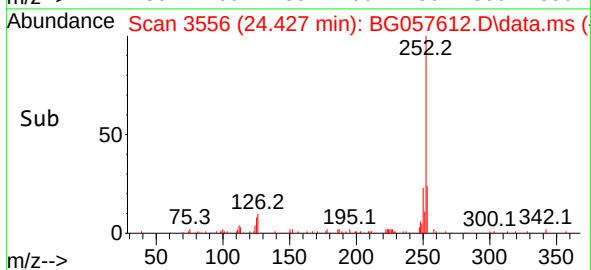
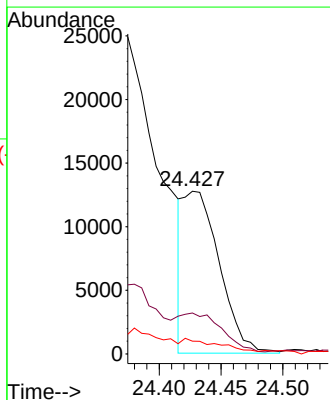
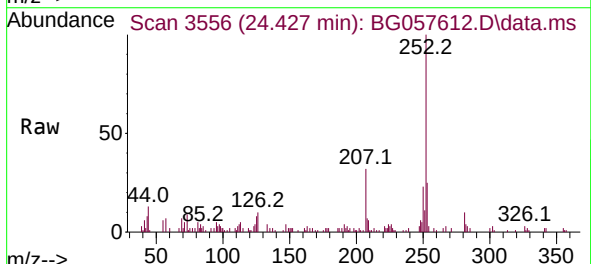
Manual Integrations
APPROVED

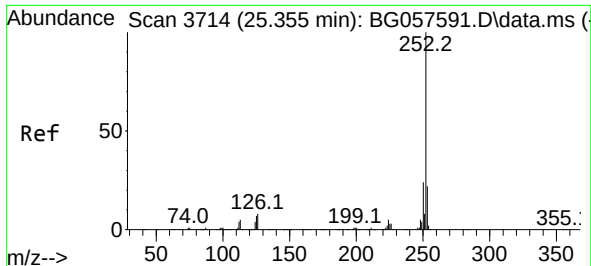
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#89
Benzo(k)fluoranthene
Concen: 2.311 ng m
RT: 24.427 min Scan# 3556
Delta R.T. -0.019 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion:252 Resp: 25748
Ion Ratio Lower Upper
252 100
253 25.2 17.0 25.6
125 7.9 5.1 7.7#





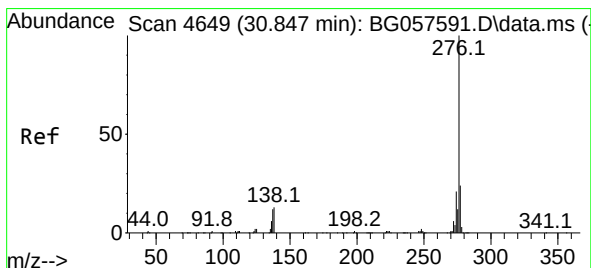
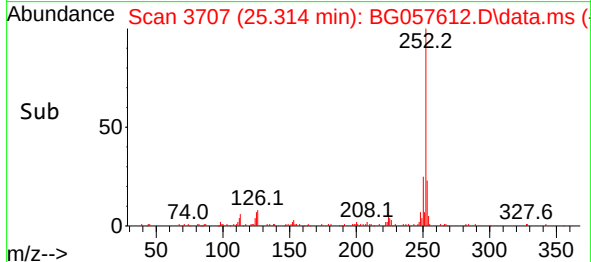
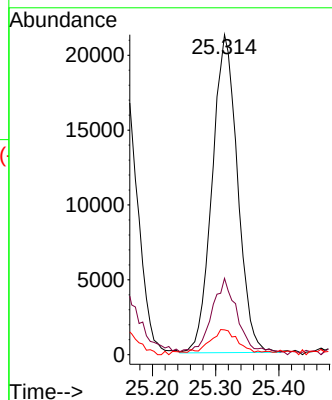
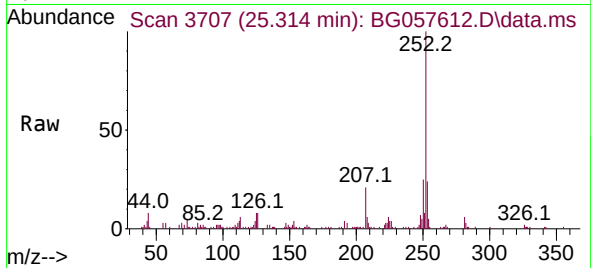
#90
Benzo(a)pyrene
Concen: 5.502 ng
RT: 25.314 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Instrument :
BNA_G
ClientSampleId :
WC21

Tgt Ion:252 Resp: 5924
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 7.7 5.3 7.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#92
Benzo(g,h,i)perylene
Concen: 4.670 ng
RT: 30.783 min Scan# 4638
Delta R.T. -0.019 min
Lab File: BG057612.D
Acq: 30 May 2023 18:52

Tgt Ion:276 Resp: 47398
Ion Ratio Lower Upper
276 100
277 28.7 18.9 28.3#
138 13.0 10.2 15.4

