

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055984.D
 Acq On : 15 Dec 2022 19:52
 Operator : CG/JU
 Sample : N6046-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-121322

Quant Time: Dec 16 04:06:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.379	152	10806	20.000	ng	0.00
21) Naphthalene-d8	11.211	136	38355	20.000	ng	# 0.00
39) Acenaphthene-d10	14.983	164	29500	20.000	ng	0.00
64) Phenanthrene-d10	17.721	188	70461	20.000	ng	# 0.00
76) Chrysene-d12	22.033	240	76684	20.000	ng	0.00
86) Perylene-d12	25.541	264	82777	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.893	112	23820	51.695	ng	0.00
7) Phenol-d6	7.503	99	30078	50.754	ng	0.00
23) Nitrobenzene-d5	9.548	82	20063	36.554	ng	0.00
42) 2,4,6-Tribromophenol	16.457	330	36712	51.610	ng	0.00
45) 2-Fluorobiphenyl	13.614	172	71350	33.921	ng	0.00
79) Terphenyl-d14	20.306	244	133817	30.842	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	17.762	178	12045	3.262	ng	94
75) Fluoranthene	19.754	202	32895	6.362	ng	90
78) Pyrene	20.118	202	30142	6.496	ng	97
81) Benzo(a)anthracene	22.010	228	19211	3.560	ng	# 91
83) Chrysene	22.080	228	20489m	4.051	ng	
88) Benzo(b)fluoranthene	24.419	252	23374	4.363	ng	# 78
89) Benzo(k)fluoranthene	24.483	252	12784m	2.392	ng	
90) Benzo(a)pyrene	25.365	252	16760	3.701	ng	# 83

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

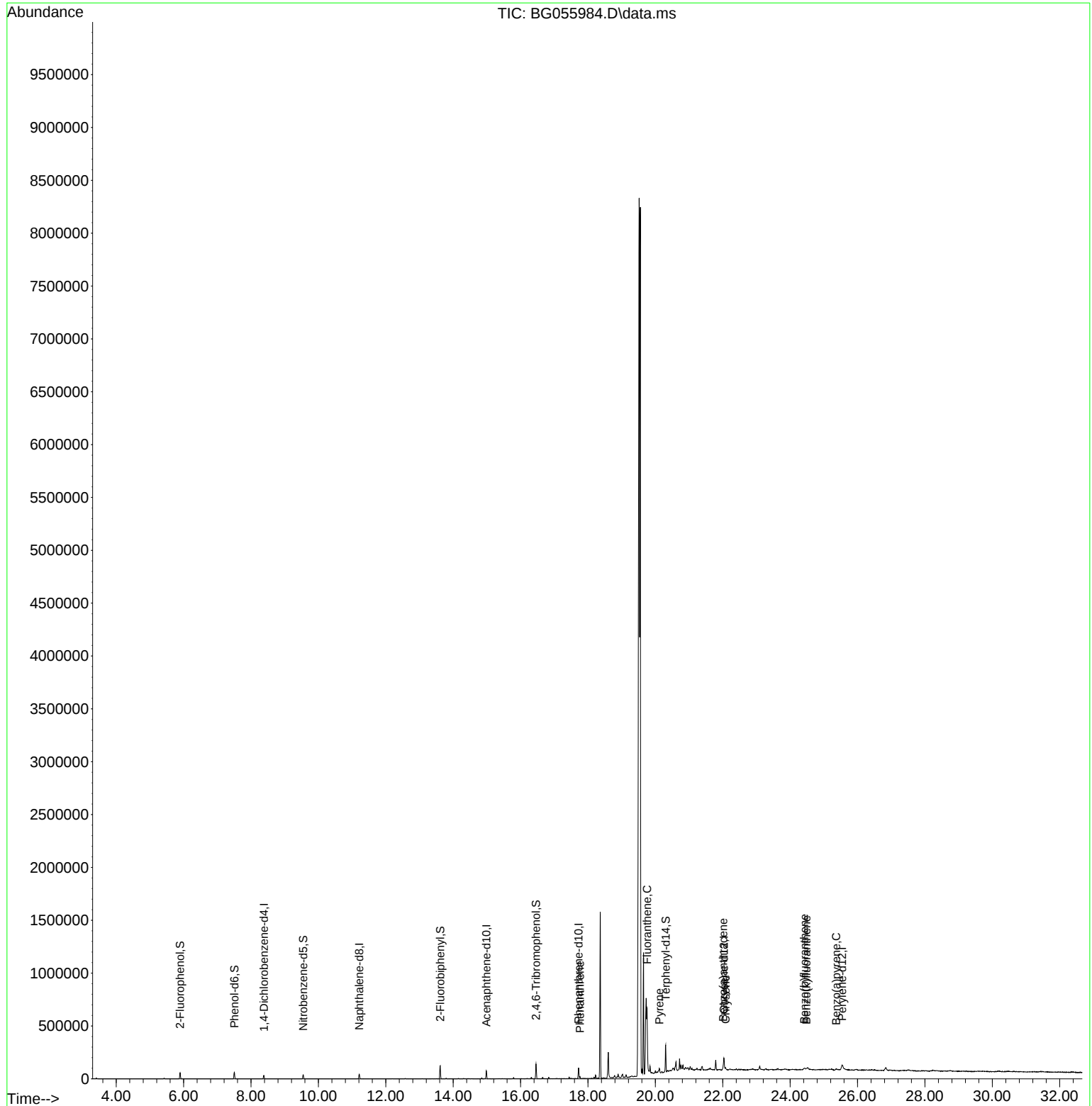
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055984.D
Acq On : 15 Dec 2022 19:52
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Sample : N6046-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

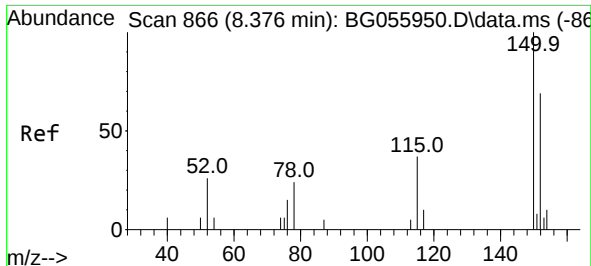
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

Quant Time: Dec 16 04:06:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 14 02:24:06 2022
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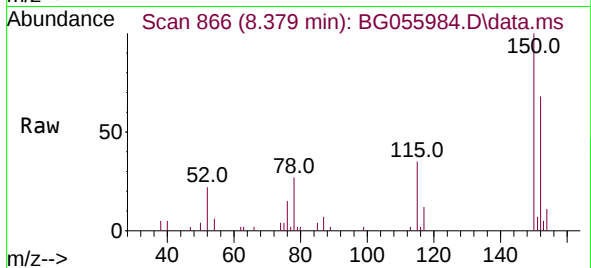
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.379 min Scan# 866
Delta R.T. 0.003 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

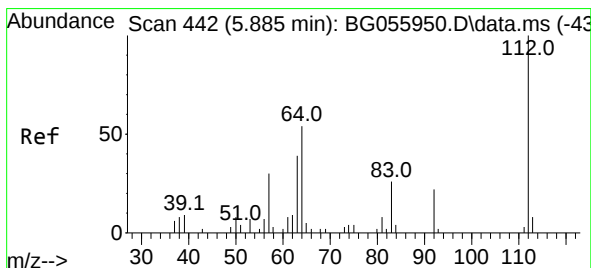
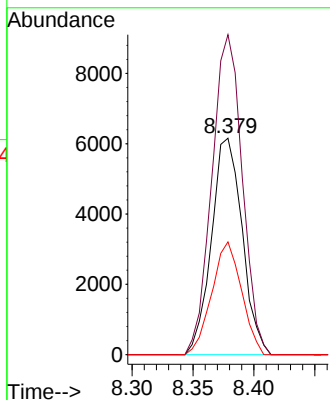
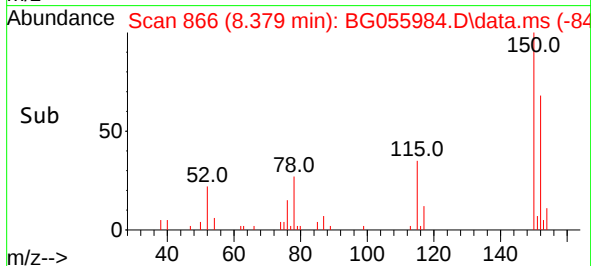
Instrument :
BNA_G
Client Sample Id :
HR-02-121322



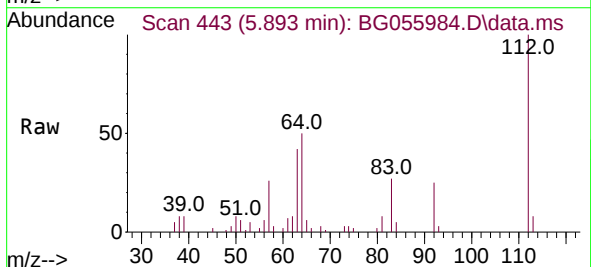
Tgt Ion:152 Resp: 10800
Ion Ratio Lower Upper
152 100
150 147.9 115.7 173.5
115 52.1 43.0 64.4

Manual Integrations
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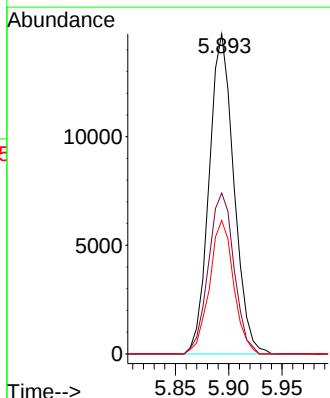
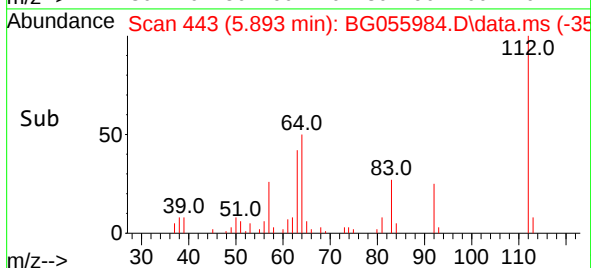
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

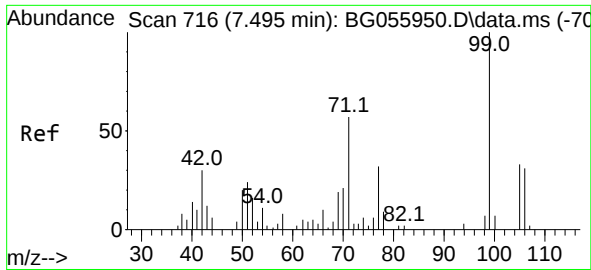


#5
2-Fluorophenol
Concen: 51.695 ng
RT: 5.893 min Scan# 443
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52



Tgt Ion:112 Resp: 23820
Ion Ratio Lower Upper
112 100
64 50.3 43.0 64.4
63 41.7 31.4 47.2





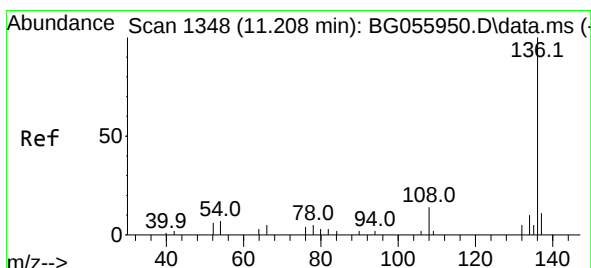
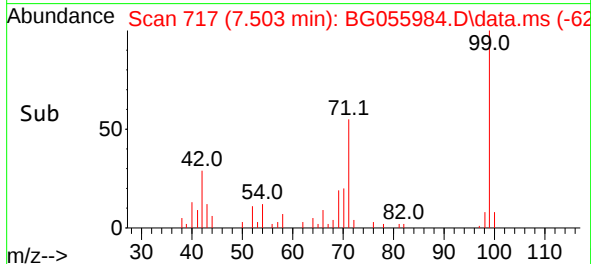
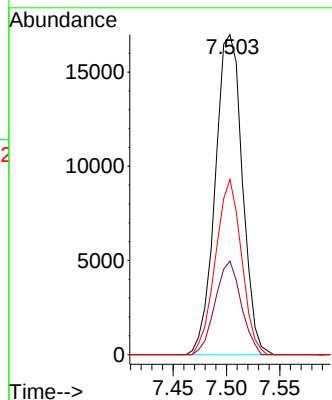
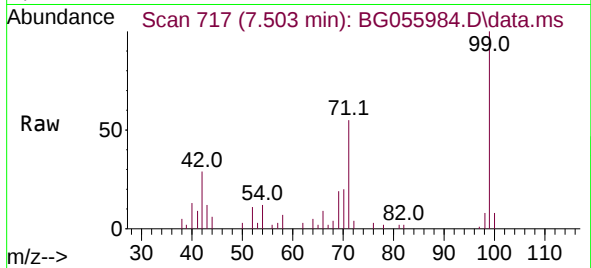
#7
Phenol-d6
Concen: 50.754 ng
RT: 7.503 min Scan# 716
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Instrument :
BNA_G
ClientSampleId :
HR-02-121322

Tgt Ion: 99 Resp: 30078
Ion Ratio Lower Upper
99 100
42 29.2 24.3 36.5
71 54.7 45.6 68.4

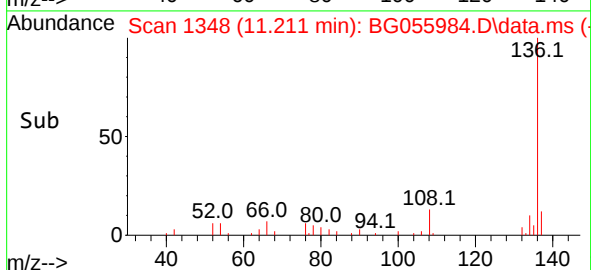
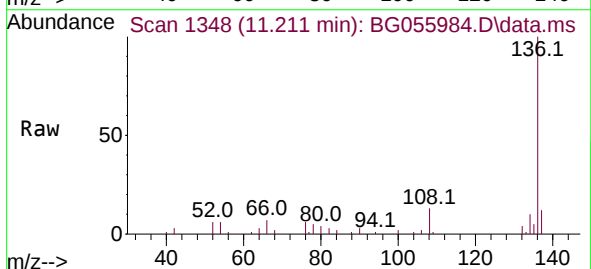
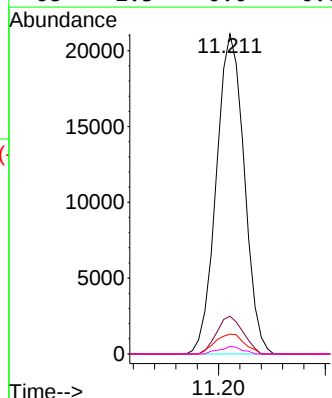
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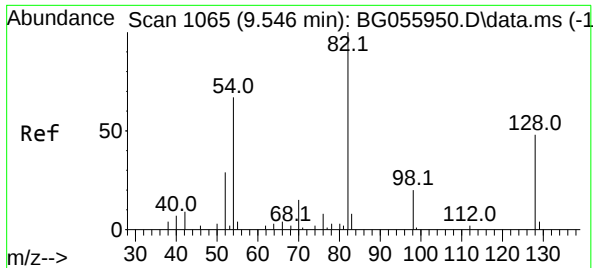
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.211 min Scan# 1348
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:136 Resp: 38355
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 6.2 5.6 8.4
68 2.3 0.0 0.0#





#23
Nitrobenzene-d5
Concen: 36.554 ng
RT: 9.548 min Scan# 1065
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Instrument :

BNA_G

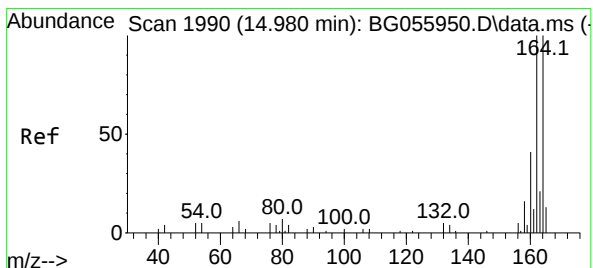
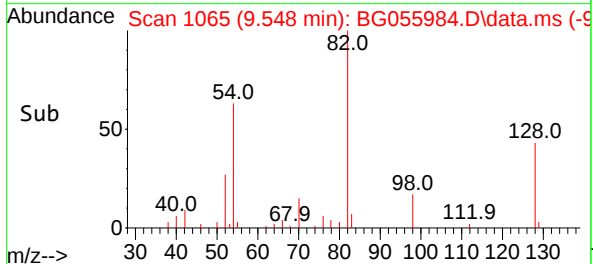
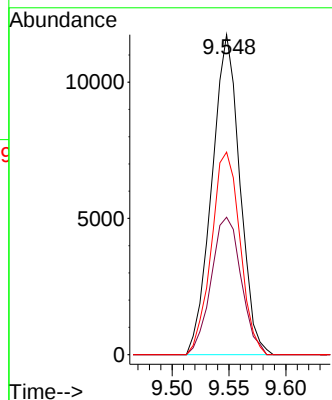
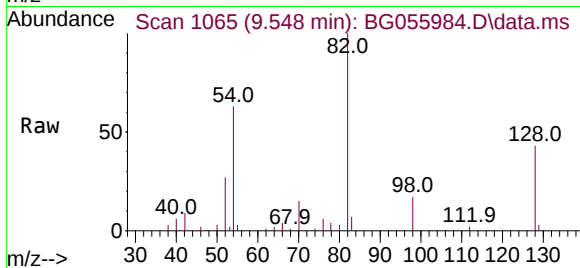
ClientSampleId :

HR-02-121322

Tgt Ion: 82 Resp: 20063
Ion Ratio Lower Upper
82 100
128 42.9 38.4 57.6
54 63.3 53.3 79.9

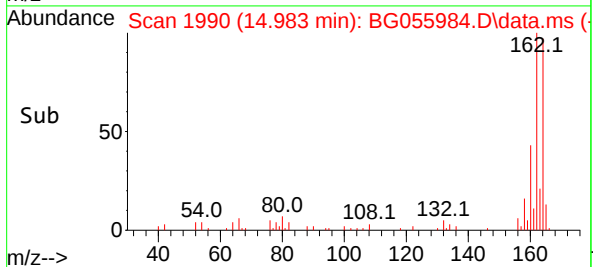
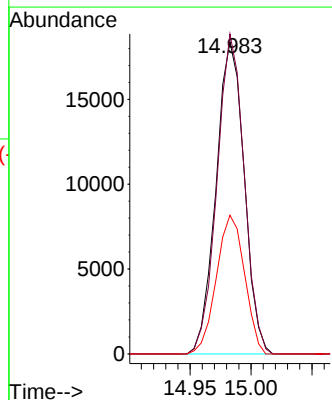
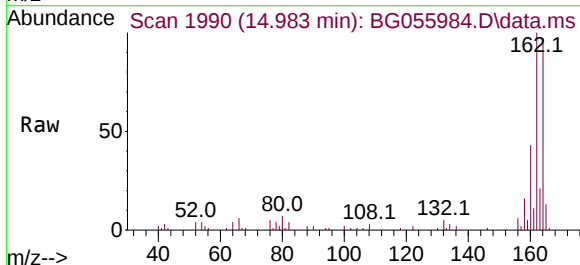
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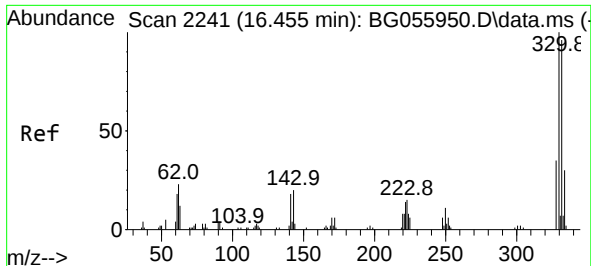
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.983 min Scan# 1990
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

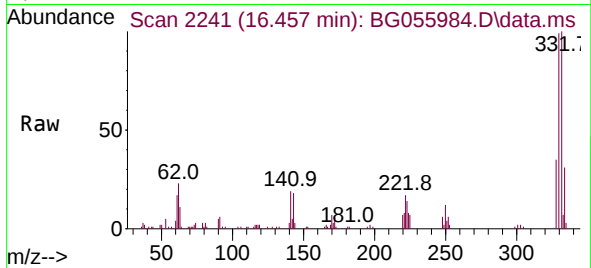
Tgt Ion:164 Resp: 29500
Ion Ratio Lower Upper
164 100
162 102.6 79.8 119.8
160 44.4 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 51.610 ng
RT: 16.457 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

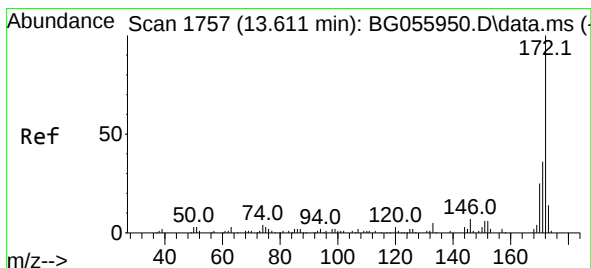
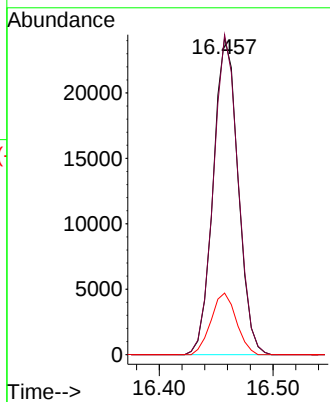
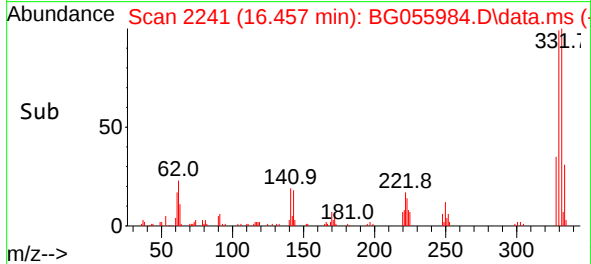
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BNA_G
ClientSampleId :
HR-02-121322



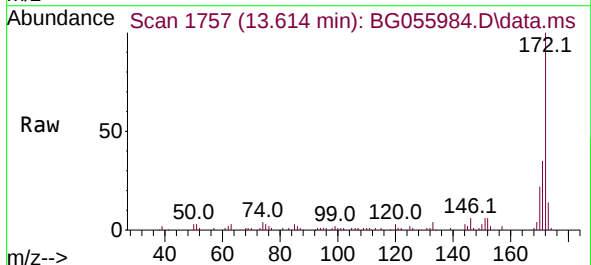
Tgt Ion:330 Resp: 36712
Ion Ratio Lower Upper
330 100
332 99.9 76.6 114.8
141 19.7 15.0 22.4

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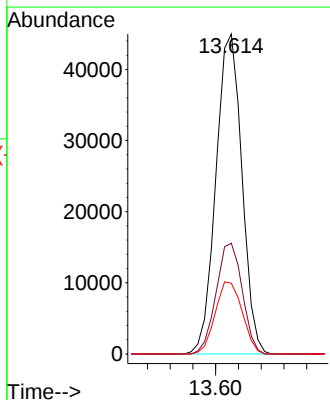
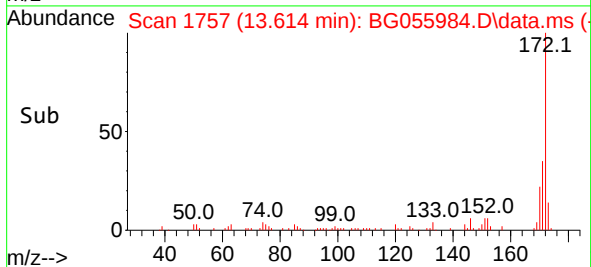
Reviewed By :Jagrut Upadhyay 12/16/2022
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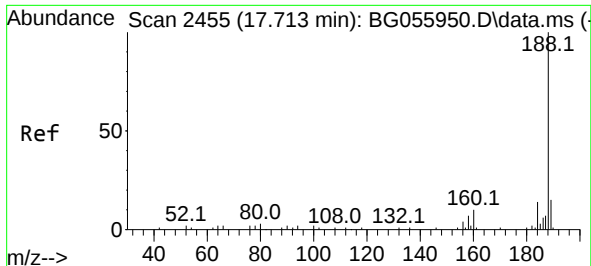


#45
2-Fluorobiphenyl
Concen: 33.921 ng
RT: 13.614 min Scan# 1757
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52



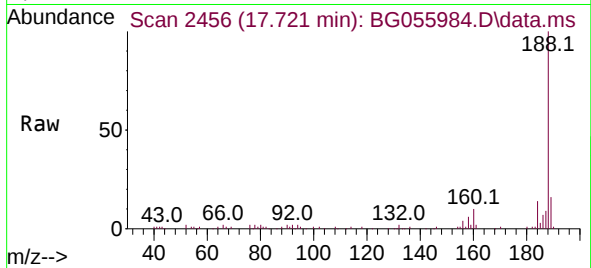
Tgt Ion:172 Resp: 71350
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 22.1 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.721 min Scan# 2455
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

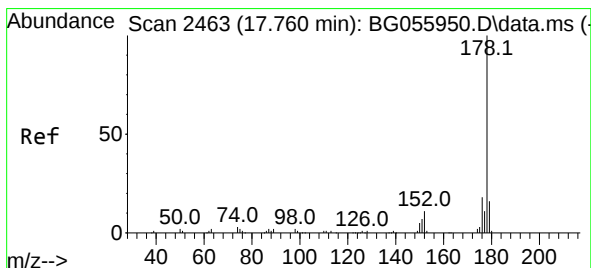
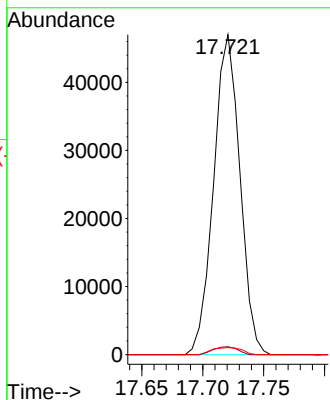
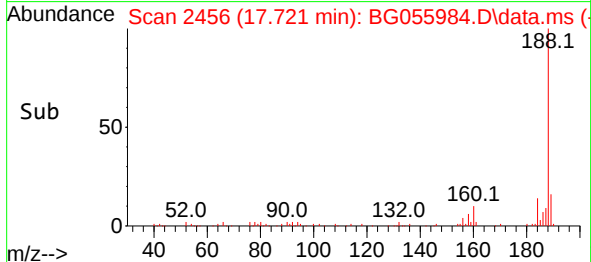
Instrument :
BNA_G
ClientSampleId :
HR-02-121322



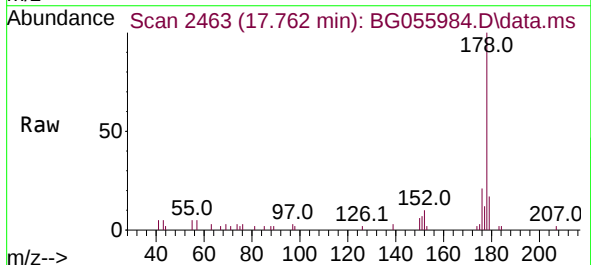
Tgt Ion:188 Resp: 70463
Ion Ratio Lower Upper
188 100
94 2.5 1.8 2.8
80 2.2 2.4 3.6

Manual Integrations
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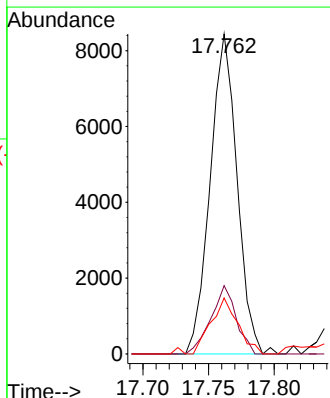
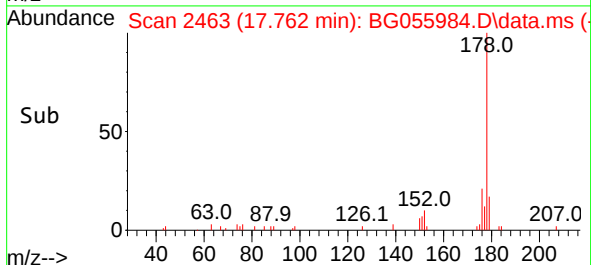
Reviewed By :Jagrut Upadhyay 12/16/2022
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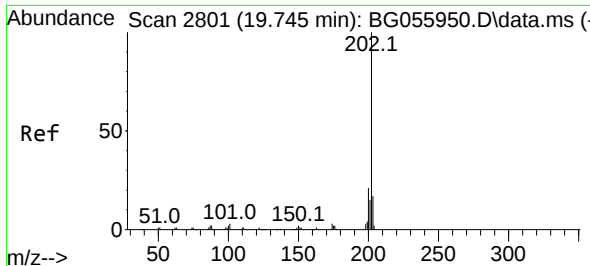


#71
Phenanthrene
Concen: 3.262 ng
RT: 17.762 min Scan# 2463
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52



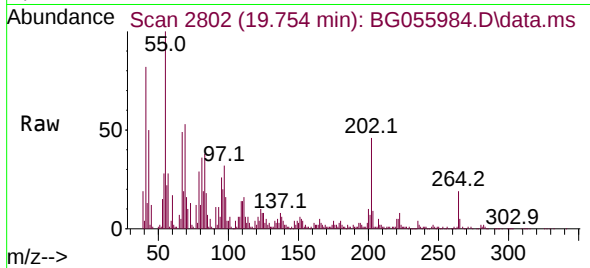
Tgt Ion:178 Resp: 12045
Ion Ratio Lower Upper
178 100
176 21.3 14.4 21.6
179 17.5 12.7 19.1





#75
Fluoranthene
Concen: 6.362 ng
RT: 19.754 min Scan# 2801
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

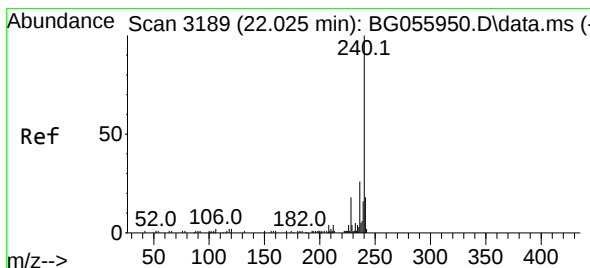
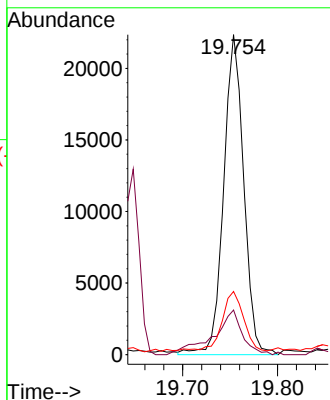
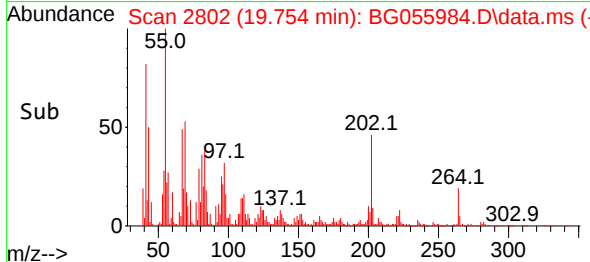
Instrument :
BNA_G
ClientSampleId :
HR-02-121322



Tgt Ion:202 Resp: 32895
Ion Ratio Lower Upper
202 100
101 13.9 0.0 22.6
203 19.7 0.0 37.1

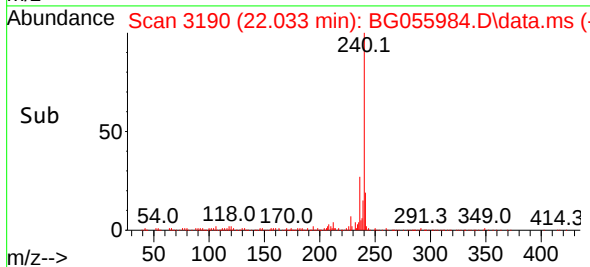
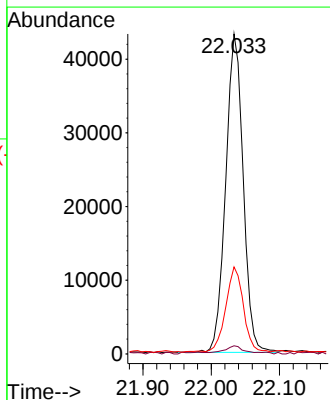
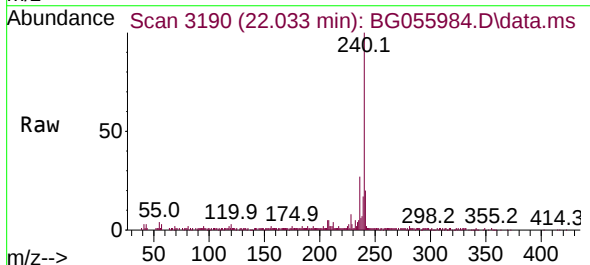
Manual Integrations
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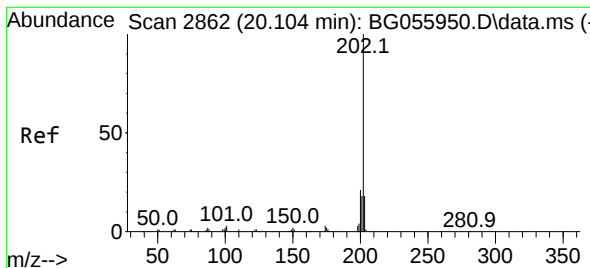
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.033 min Scan# 3190
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:240 Resp: 76684
Ion Ratio Lower Upper
240 100
120 2.5 1.7 2.5
236 27.2 21.1 31.7





#78

Pyrene

Concen: 6.496 ng

RT: 20.118 min Scan# 2862

Delta R.T. 0.014 min

Lab File: BG055984.D

Acq: 15 Dec 2022 19:52

Instrument :

BNA_G

ClientSampleId :

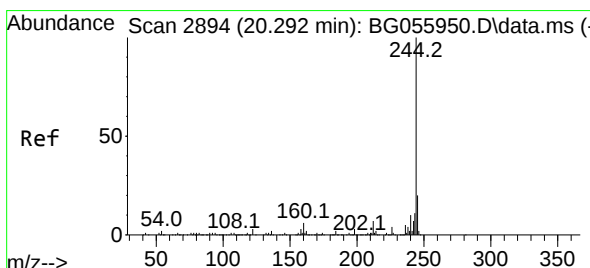
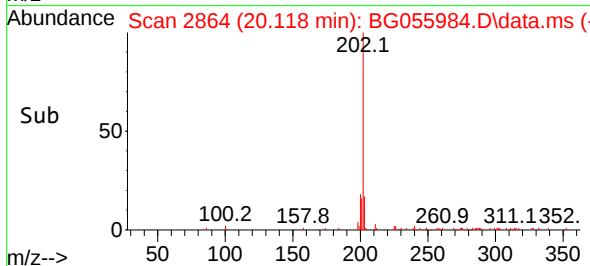
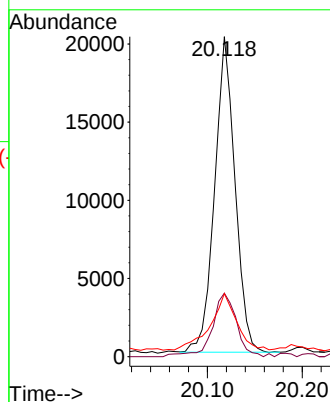
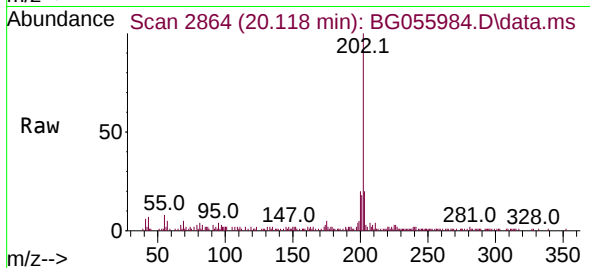
HR-02-121322

Tgt Ion:	202	Resp:	3014
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.7	25.1
203	19.7	14.6	21.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/16/2022
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#79

Terphenyl-d14

Concen: 30.842 ng

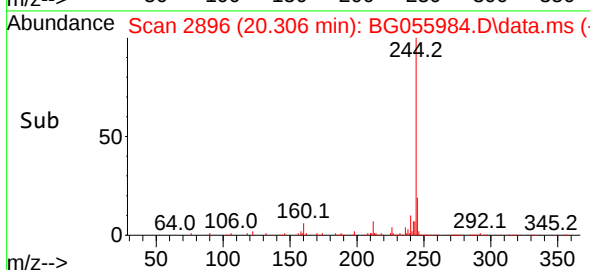
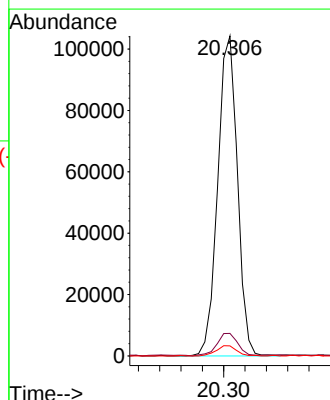
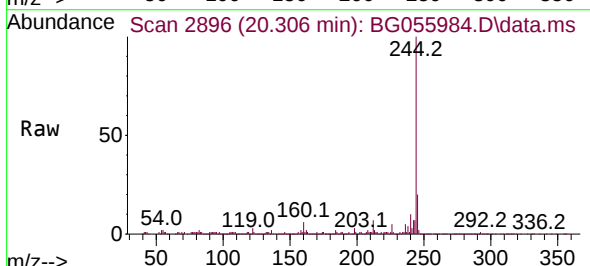
RT: 20.306 min Scan# 2896

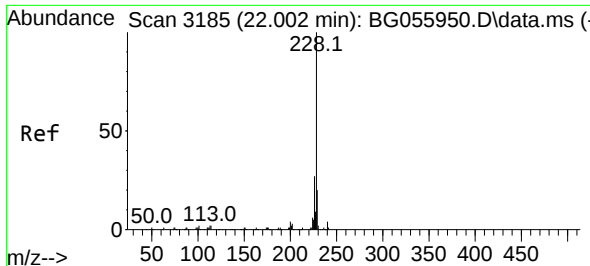
Delta R.T. 0.014 min

Lab File: BG055984.D

Acq: 15 Dec 2022 19:52

Tgt Ion:	244	Resp:	133817
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.6
122	3.1	2.5	3.7





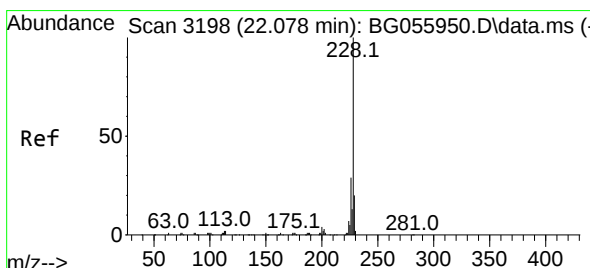
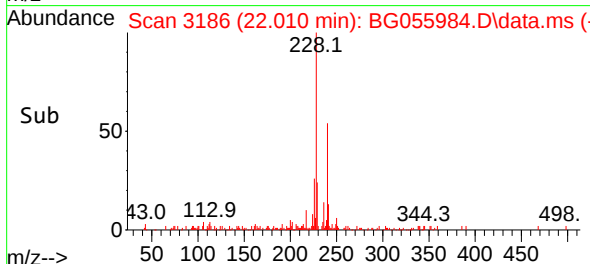
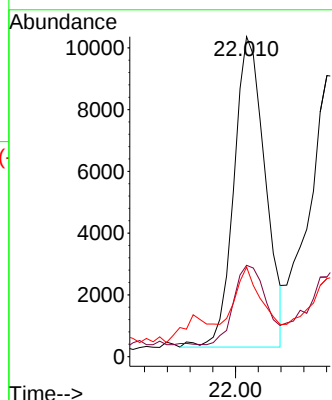
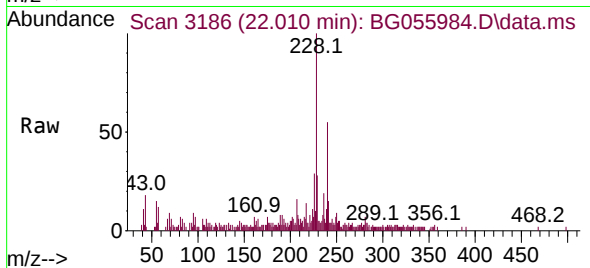
#81
Benzo(a)anthracene
Concen: 3.560 ng
RT: 22.010 min Scan# 3185
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Instrument :
BNA_G
ClientSampleId :
HR-02-121322

Tgt Ion:228 Resp: 1921
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.6
229 28.0 15.9 23.9

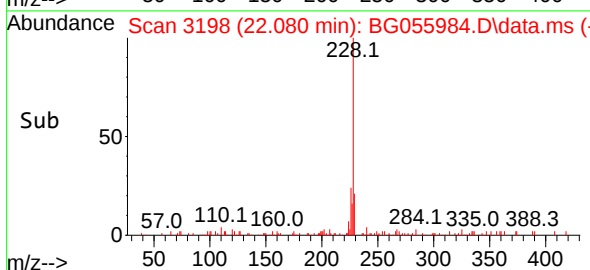
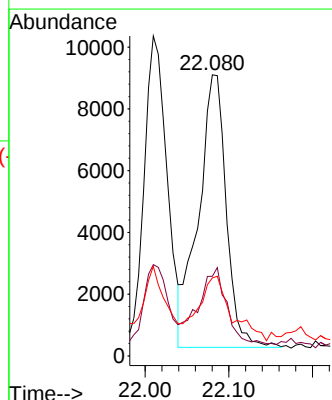
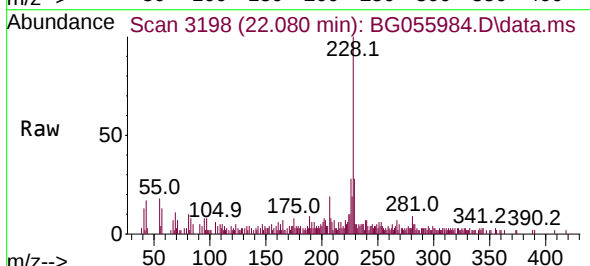
Manual Integrations
APPROVED

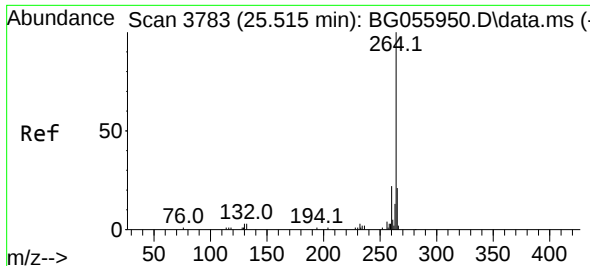
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#83
Chrysene
Concen: 4.051 ng m
RT: 22.080 min Scan# 3198
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:228 Resp: 20489
Ion Ratio Lower Upper
228 100
226 28.3 23.1 34.7
229 27.7 15.7 23.5





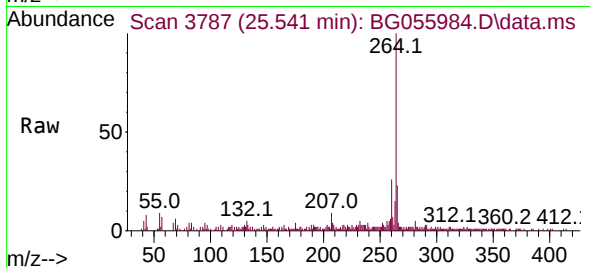
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.541 min Scan# 31
 Delta R.T. 0.026 min
 Lab File: BG055984.D
 Acq: 15 Dec 2022 19:52

Instrument :

BNA_G

ClientSampleId :

HR-02-121322

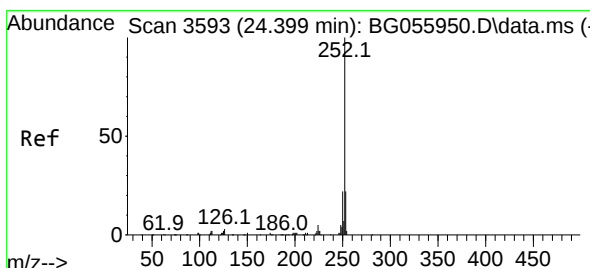
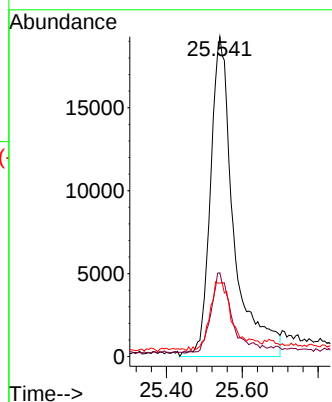
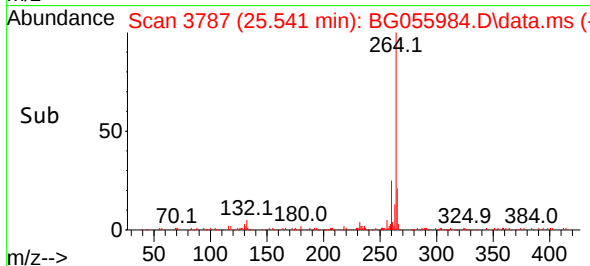


Tgt Ion:264 Resp: 82777
 Ion Ratio Lower Upper
 264 100
 260 26.2 17.8 26.8
 265 23.0 16.6 25.0

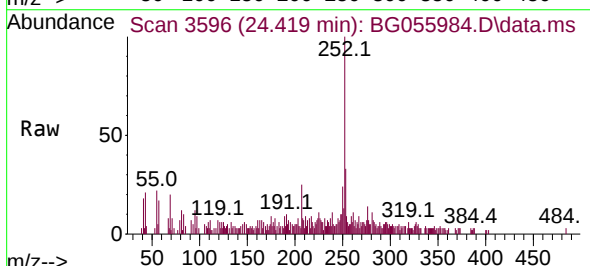
Manual Integrations

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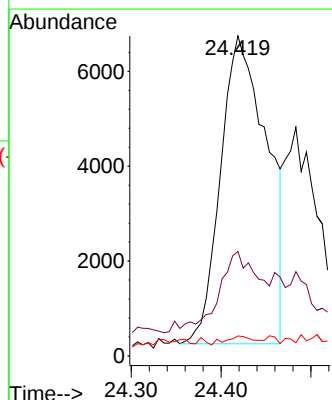
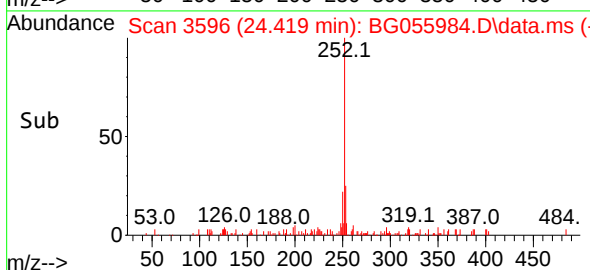
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

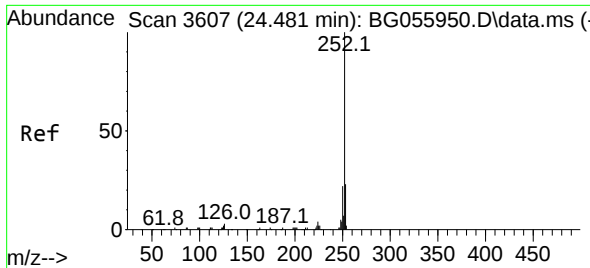


#88
 Benzo(b)fluoranthene
 Concen: 4.363 ng
 RT: 24.419 min Scan# 3596
 Delta R.T. 0.020 min
 Lab File: BG055984.D
 Acq: 15 Dec 2022 19:52



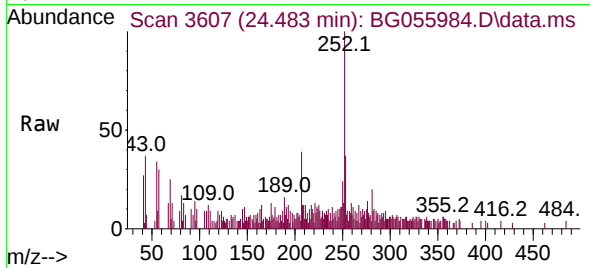
Tgt Ion:252 Resp: 23374
 Ion Ratio Lower Upper
 252 100
 253 32.6 17.4 26.0#
 125 6.3 1.8 2.8#





#89
Benzo(k)fluoranthene
Concen: 2.392 ng m
RT: 24.483 min Scan# 3607
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

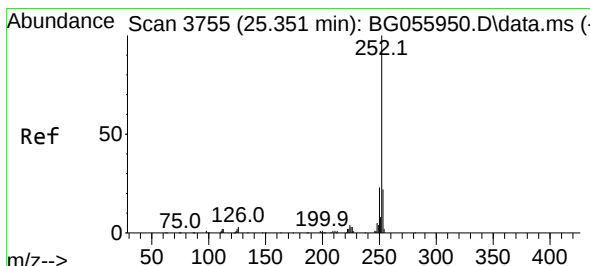
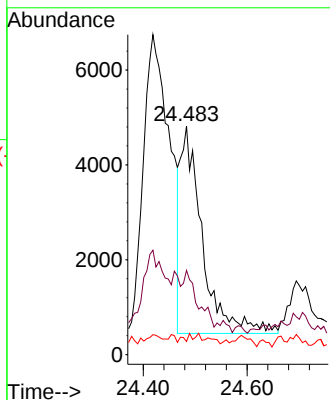
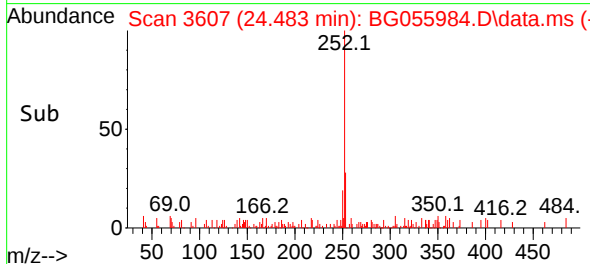
Instrument :
BNA_G
ClientSampleId :
HR-02-121322



Tgt Ion:252 Resp: 12784
Ion Ratio Lower Upper
252 100
253 36.9 18.2 27.2#
125 5.7 2.0 3.0#

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#90
Benzo(a)pyrene
Concen: 3.701 ng
RT: 25.365 min Scan# 3757
Delta R.T. 0.014 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:252 Resp: 16760
Ion Ratio Lower Upper
252 100
253 30.7 17.7 26.5#
125 5.4 1.9 2.9#

