

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059790.D
 Acq On : 21 Nov 2023 13:29
 Operator : MA/JU
 Sample : 05379-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/23/2023

Quant Time: Nov 22 09:51:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	25574	20.000	ng	0.00
21) Naphthalene-d8	11.184	136	124920	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	88890	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	253442	20.000	ng	# 0.00
76) Chrysene-d12	22.048	240	184212	20.000	ng	# 0.00
86) Perylene-d12	25.626	264	181214	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	138717	91.296	ng	0.00
7) Phenol-d6	7.465	99	194890	86.555	ng	0.00
23) Nitrobenzene-d5	9.533	82	169325	51.768	ng	0.00
42) 2,4,6-Tribromophenol	16.448	330	102089	101.222	ng	0.00
45) 2-Fluorobiphenyl	13.587	172	352441	53.370	ng	0.00
79) Terphenyl-d14	20.291	244	723427	57.974	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.533	70	29897	16.861	ng	# 76
51) 2,6-Dinitrotoluene	14.962	165	11109	8.501	ng	# 1
75) Fluoranthene	19.756	202	377676	24.441	ng	97
78) Pyrene	20.115	202	324209	25.867	ng	98
81) Benzo(a)anthracene	22.024	228	203763	16.166	ng	99
83) Chrysene	22.095	228	183170	15.853	ng	98
84) Bis(2-ethylhexyl)phtha...	21.848	149	70628	9.831	ng	# 97
85) Di-n-octyl phthalate	23.241	149	55771	4.032	ng	# 51
87) Indeno(1,2,3-cd)pyrene	29.798	276	71785	5.235	ng	# 90
88) Benzo(b)fluoranthene	24.480	252	364791	36.728	ng	# 98
89) Benzo(k)fluoranthene	24.480	252	364791	37.151	ng	98
90) Benzo(a)pyrene	25.461	252	156729	14.786	ng	94

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

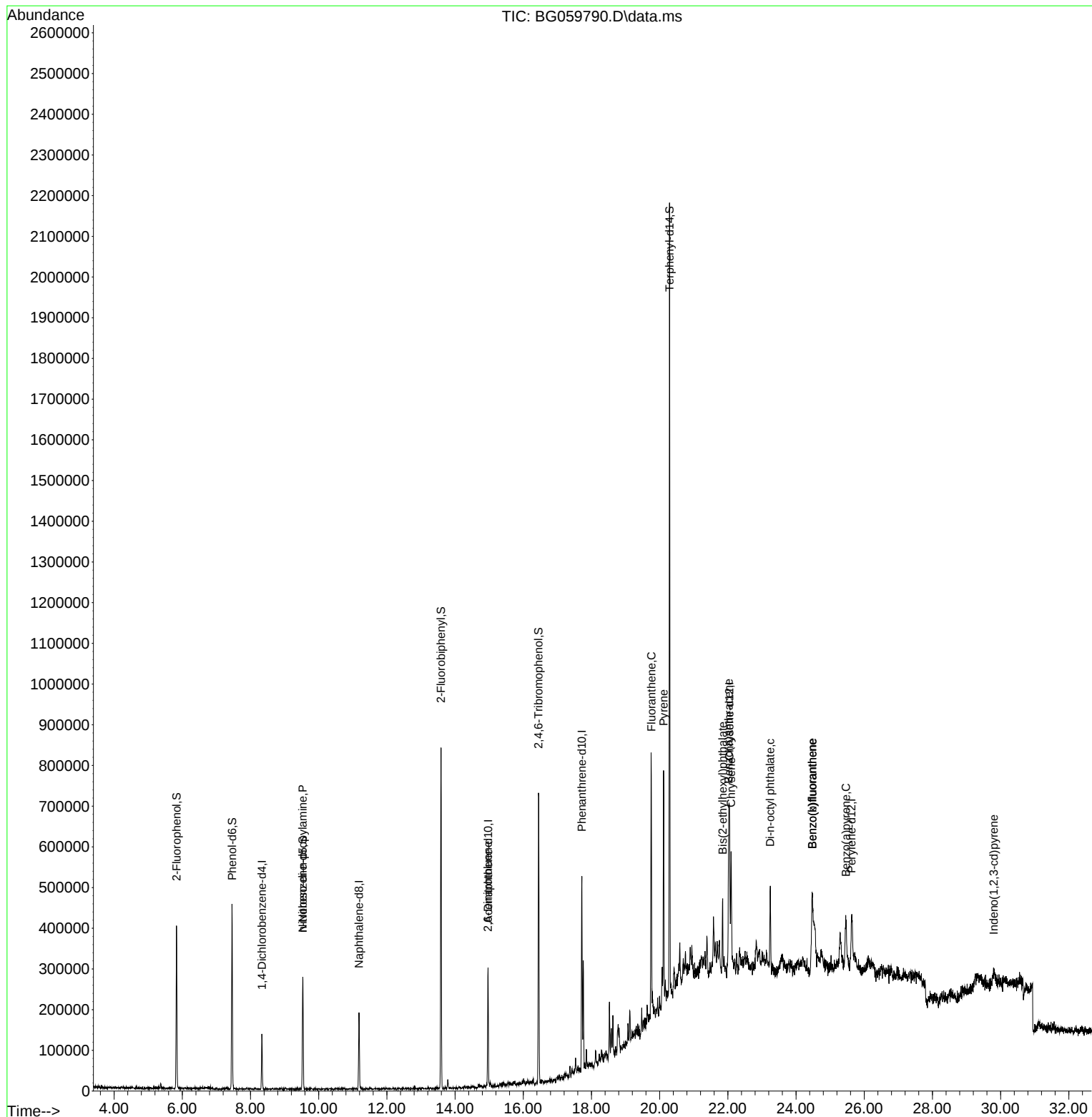
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
Data File : BG059790.D
Acq On : 21 Nov 2023 13:29
Operator : MA/JU
Sample : 05379-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

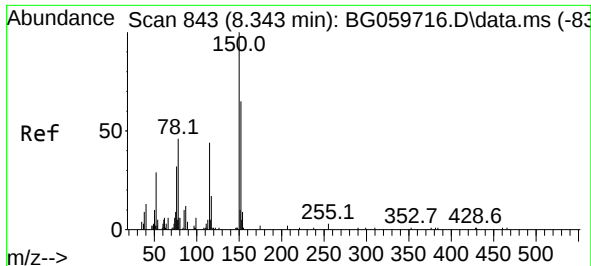
Instrument :
BNA_G
ClientSampleId :
WC-4

Quant Time: Nov 22 09:51:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration

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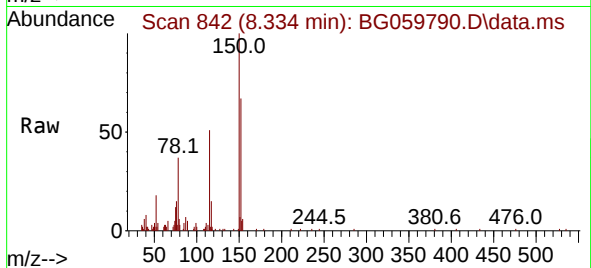
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 843
Delta R.T. -0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

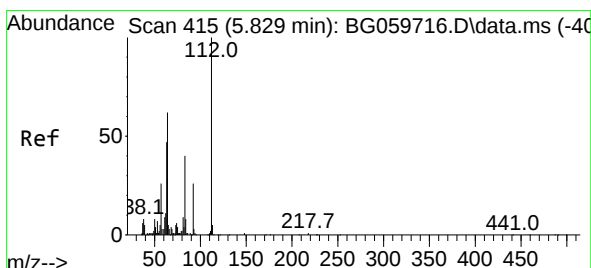
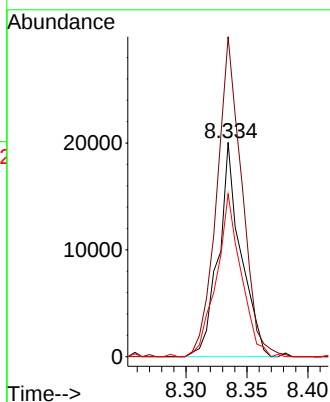
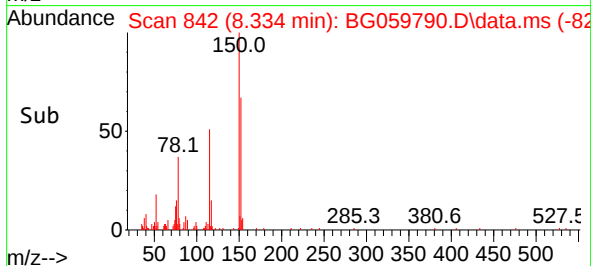
Instrument :
BNA_G
ClientSampleId :
WC-4



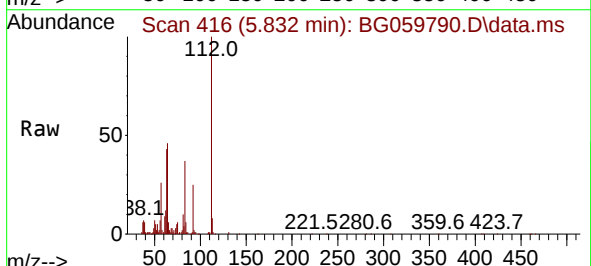
Tgt Ion:152 Resp: 25574
Ion Ratio Lower Upper
152 100
150 149.4 122.2 183.4
115 76.0 54.2 81.4

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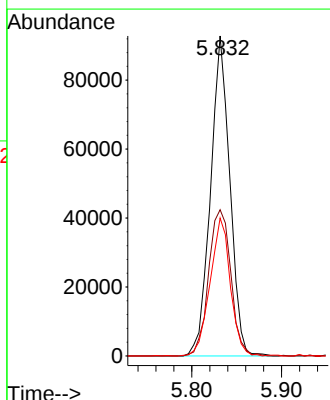
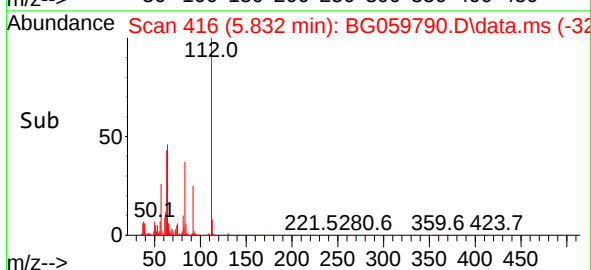
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

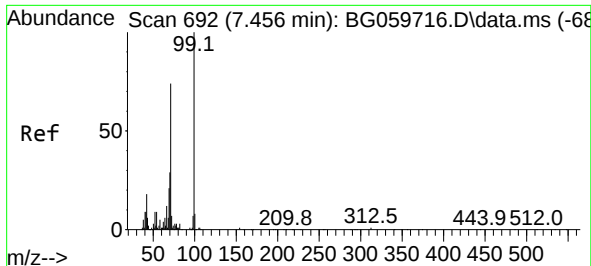


#5
2-Fluorophenol
Concen: 91.296 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29



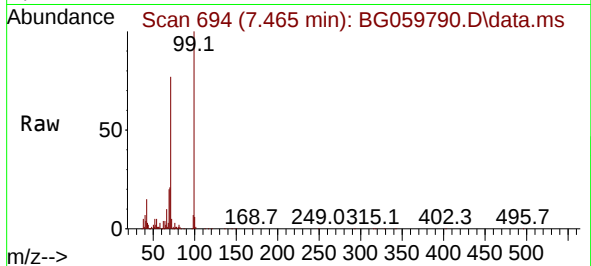
Tgt Ion:112 Resp: 138717
Ion Ratio Lower Upper
112 100
64 45.7 49.5 74.3#
63 43.1 37.4 56.2





#7
Phenol-d6
Concen: 86.555 ng
RT: 7.465 min Scan# 692
Delta R.T. 0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

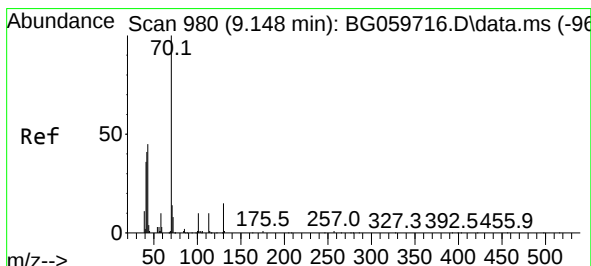
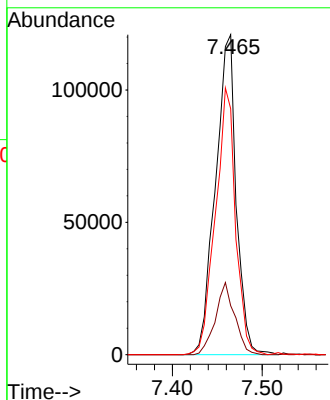
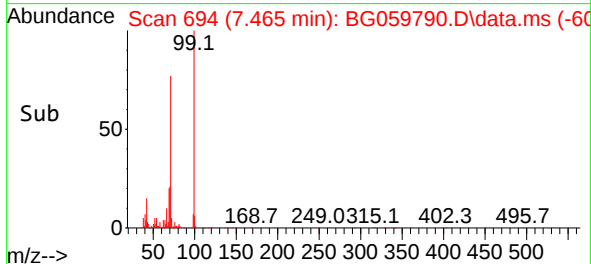
Instrument :
BNA_G
ClientSampleId :
WC-4



Tgt Ion: 99 Resp: 194890
Ion Ratio Lower Upper
99 100
42 15.3 14.3 21.5
71 76.8 59.3 88.9

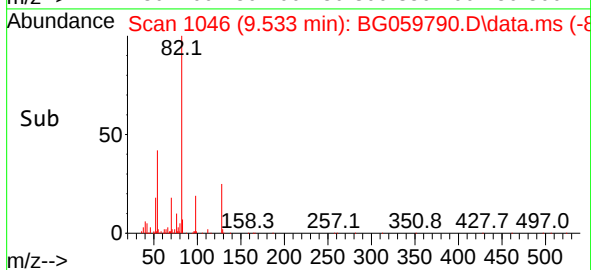
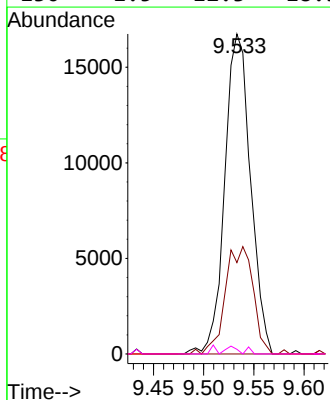
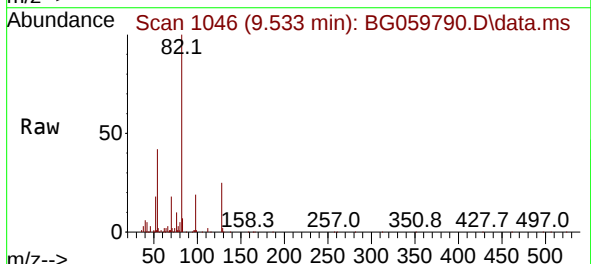
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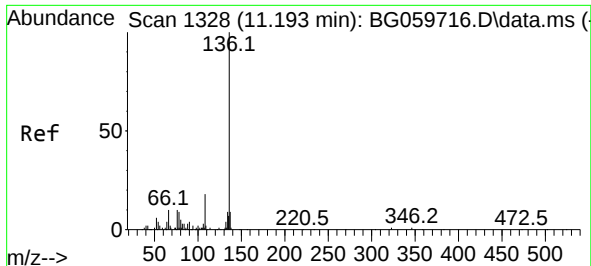
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#19
n-Nitroso-di-n-propylamine
Concen: 16.861 ng
RT: 9.533 min Scan# 1046
Delta R.T. 0.385 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

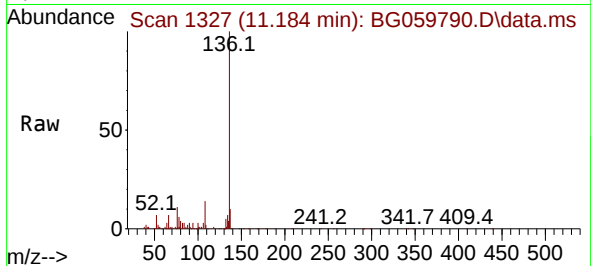
Tgt Ion: 70 Resp: 29897
Ion Ratio Lower Upper
70 100
42 28.6 32.8 49.2#
101 0.0 7.7 11.5#
130 1.5 12.3 18.5#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.184 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

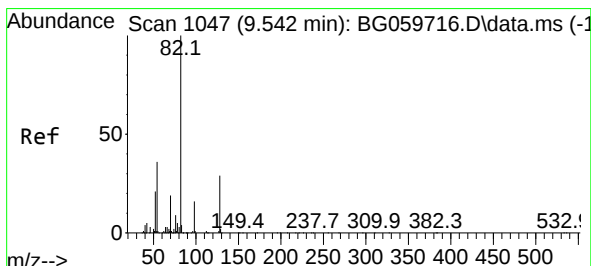
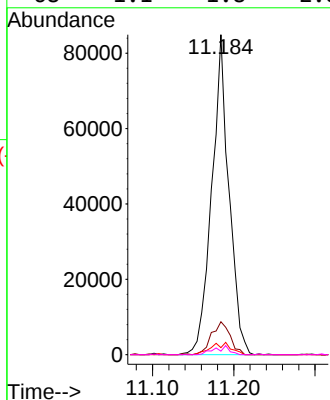
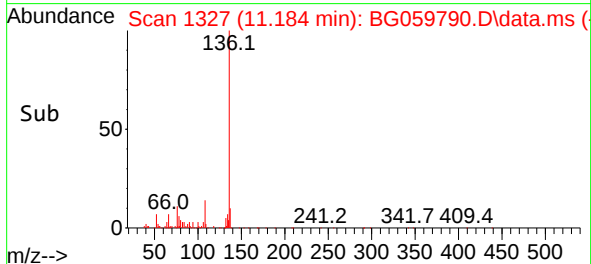
Instrument :
BNA_G
ClientSampleId :
WC-4



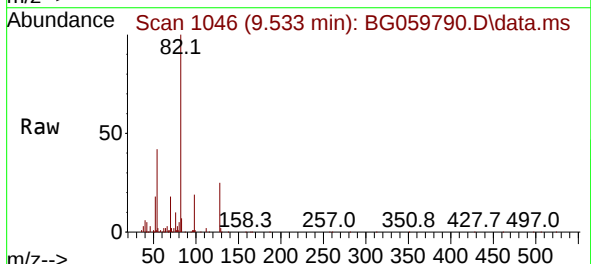
Tgt Ion:	136	Resp:	124920
Ion Ratio	Lower	Upper	
136	100		
137	10.3	7.4	11.0
54	2.2	3.1	4.7
68	1.1	1.8	2.8

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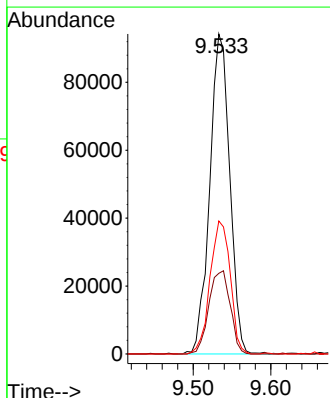
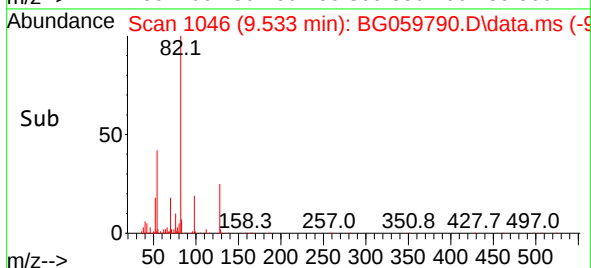
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

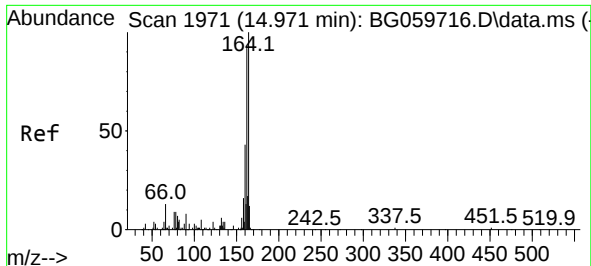


#23
Nitrobenzene-d5
Concen: 51.768 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29



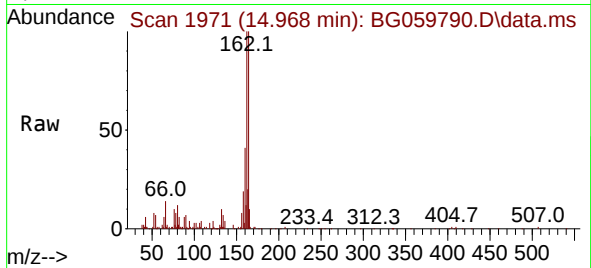
Tgt Ion:	82	Resp:	169325
Ion Ratio	Lower	Upper	
82	100		
128	25.2	23.0	34.6
54	41.5	28.7	43.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

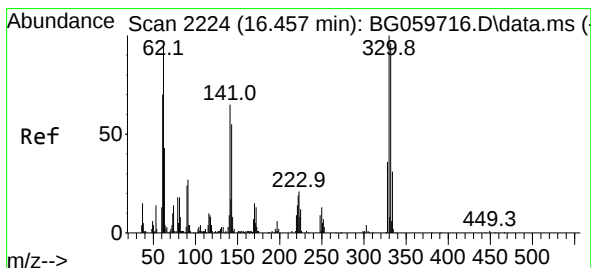
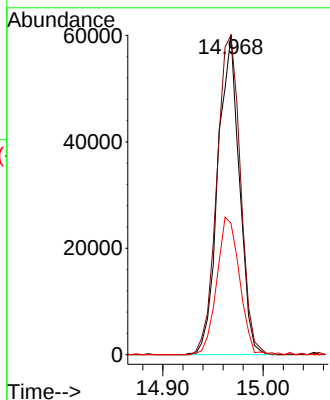
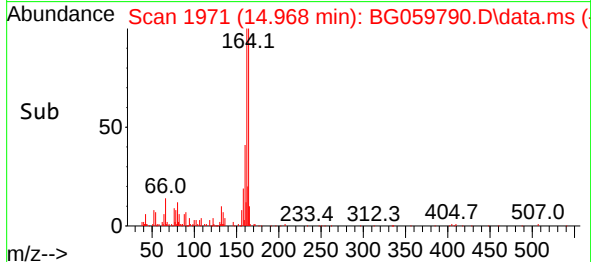
Instrument :
BNA_G
ClientSampleId :
WC-4



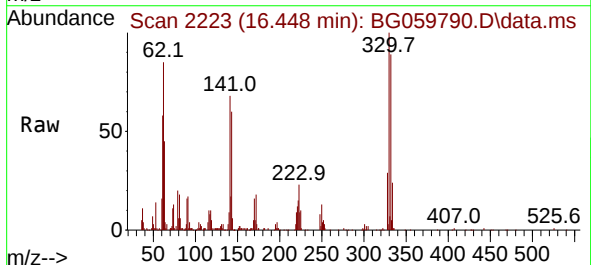
Tgt Ion:164 Resp: 88890
Ion Ratio Lower Upper
164 100
162 99.8 73.3 109.9
160 41.0 34.1 51.1

Manual Integrations
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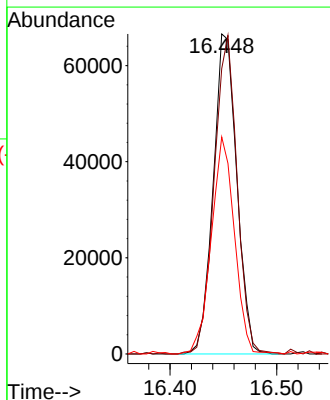
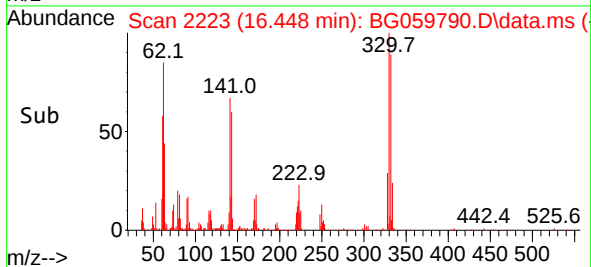
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

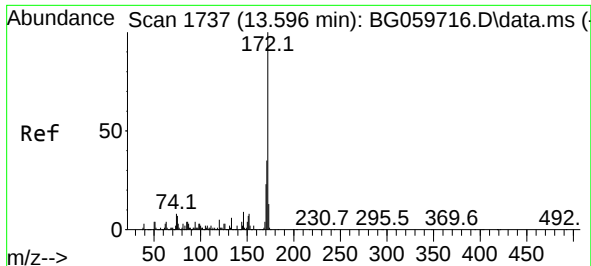


#42
2,4,6-Tribromophenol
Concen: 101.222 ng
RT: 16.448 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29



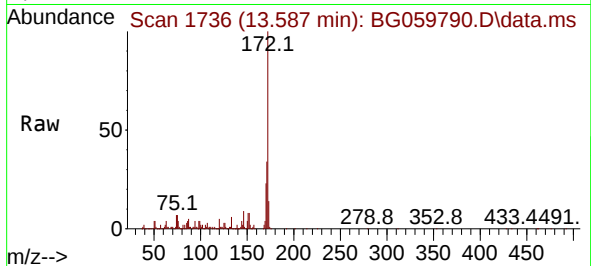
Tgt Ion:330 Resp: 102089
Ion Ratio Lower Upper
330 100
332 96.9 73.3 109.9
141 66.7 52.1 78.1





#45
2-Fluorobiphenyl
Concen: 53.370 ng
RT: 13.587 min Scan# 1736
Delta R.T. -0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

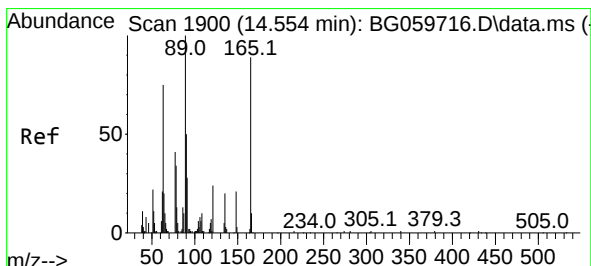
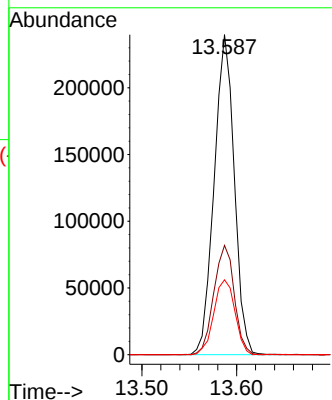
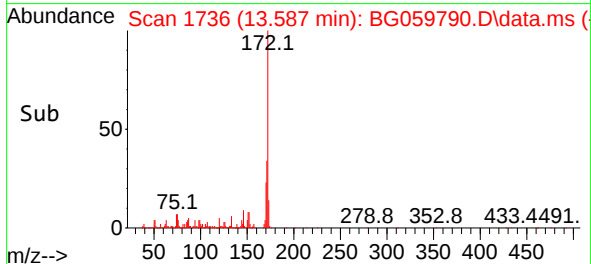
Instrument :
BNA_G
ClientSampleId :
WC-4



Tgt Ion:172 Resp: 35244
Ion Ratio Lower Upper
172 100
171 34.2 27.7 41.5
170 23.4 18.4 27.6

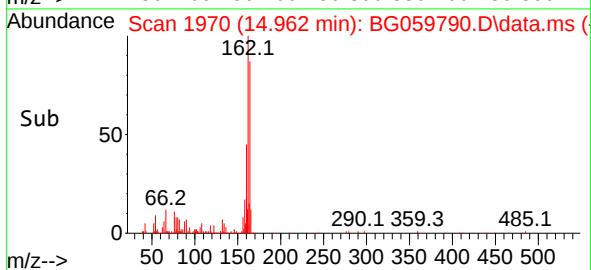
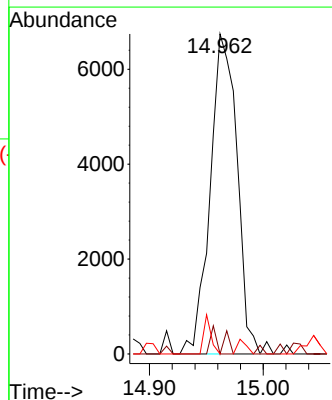
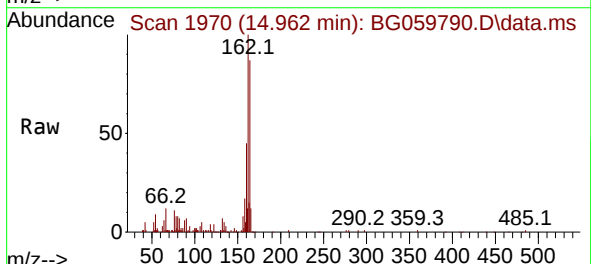
Manual Integrations
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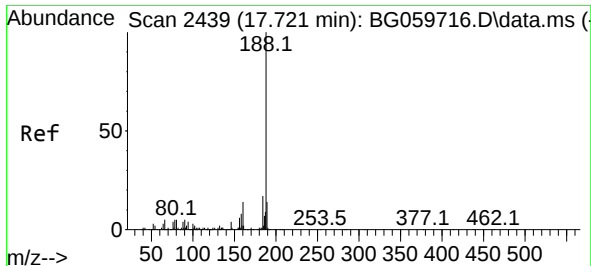
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#51
2,6-Dinitrotoluene
Concen: 8.501 ng
RT: 14.962 min Scan# 1970
Delta R.T. 0.408 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Tgt Ion:165 Resp: 11109
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 0.0 90.9 136.3#





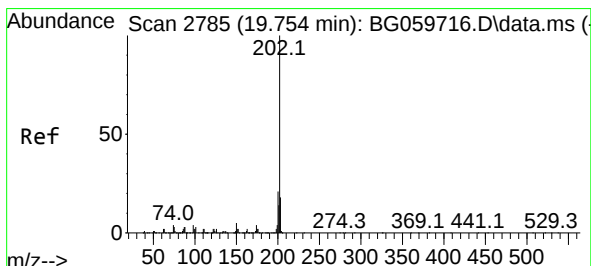
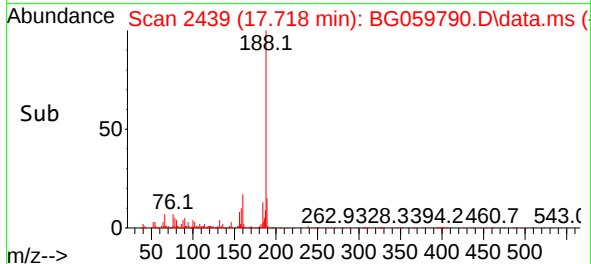
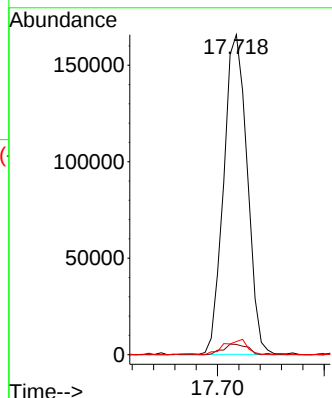
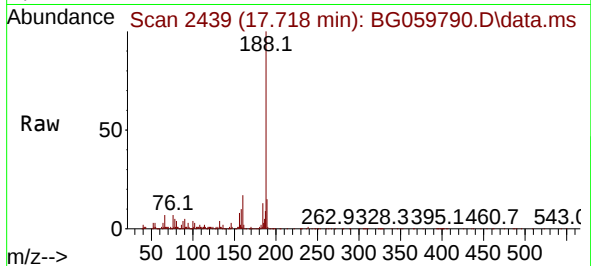
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:188 Resp: 25344
Ion Ratio Lower Upper
188 100
94 3.2 3.0 4.4
80 4.1 4.2 6.4

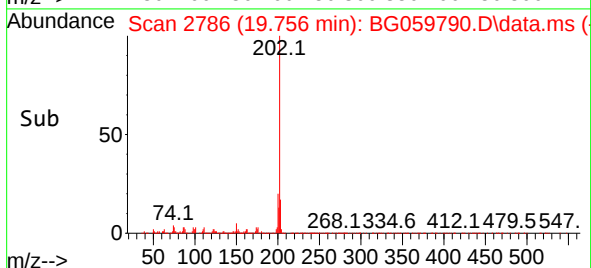
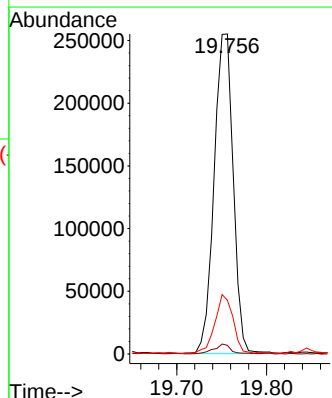
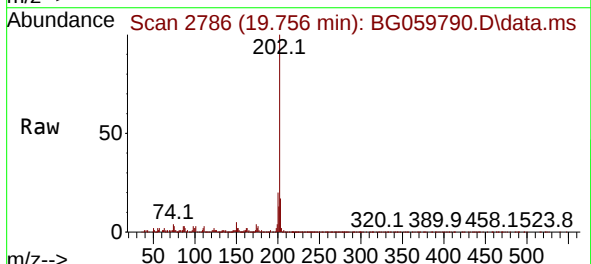
Manual Integrations
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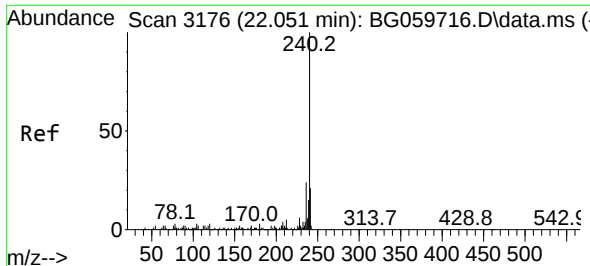
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#75
Fluoranthene
Concen: 24.441 ng
RT: 19.756 min Scan# 2786
Delta R.T. 0.003 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Tgt Ion:202 Resp: 377676
Ion Ratio Lower Upper
202 100
101 2.7 0.0 22.7
203 16.8 0.0 38.2





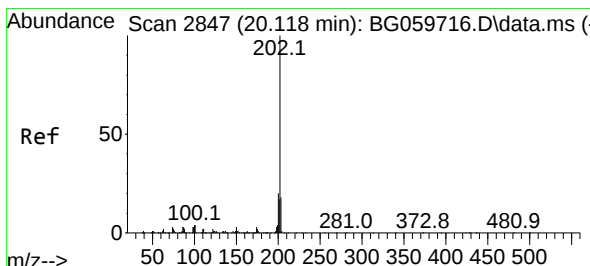
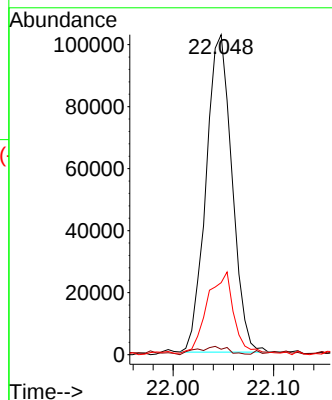
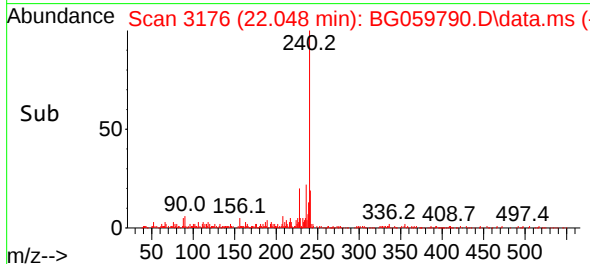
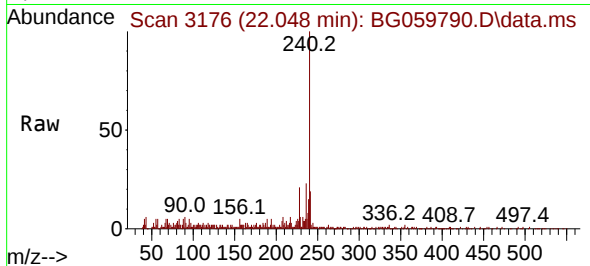
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.048 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:240 Resp: 18421
Ion Ratio Lower Upper
240 100
120 1.7 2.2 3.2
236 22.5 19.4 29.2

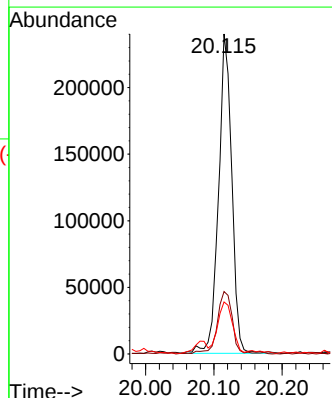
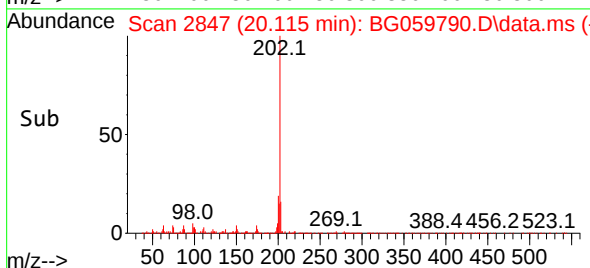
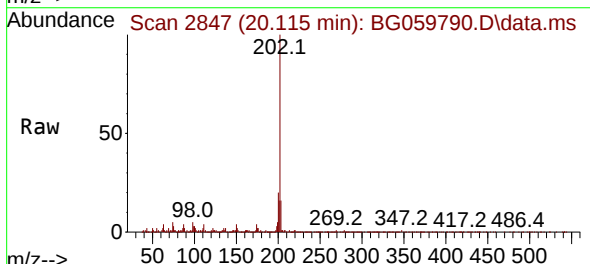
Manual Integrations
APPROVED

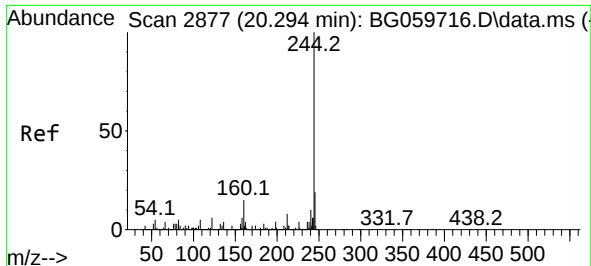
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#78
Pyrene
Concen: 25.867 ng
RT: 20.115 min Scan# 2847
Delta R.T. -0.003 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Tgt Ion:202 Resp: 324209
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.4
203 16.2 14.0 21.0





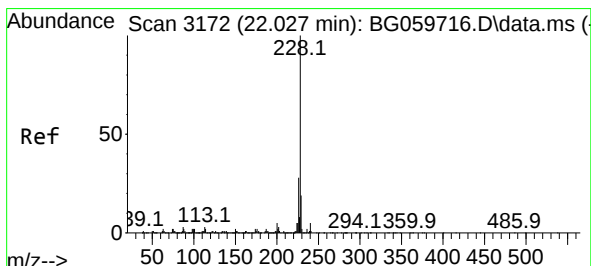
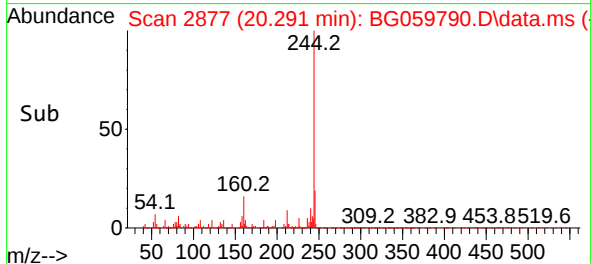
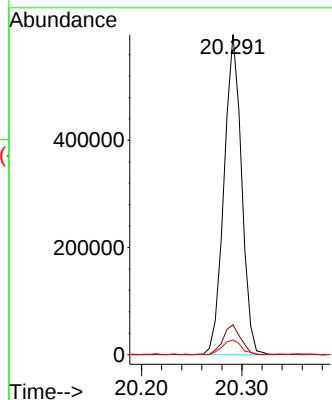
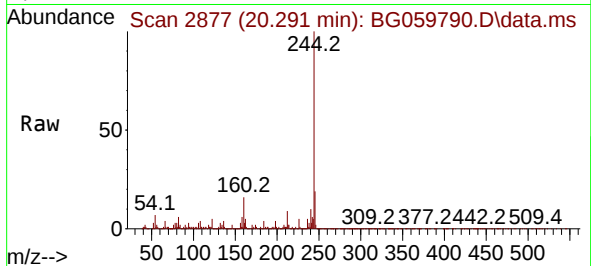
#79
Terphenyl-d14
Concen: 57.974 ng
RT: 20.291 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:244 Resp: 72342
Ion Ratio Lower Upper
244 100
212 9.3 6.6 10.0
122 4.6 4.4 6.6

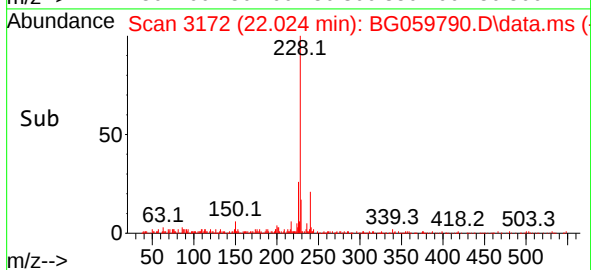
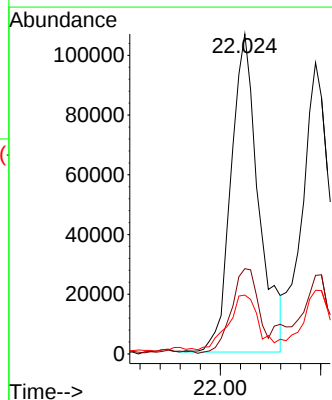
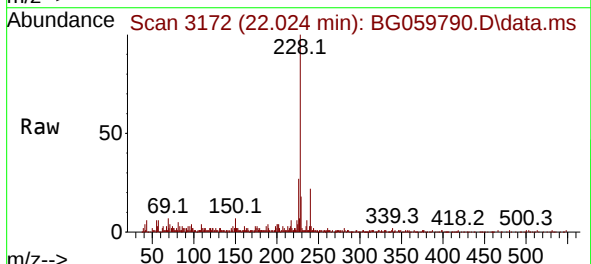
Manual Integrations
APPROVED

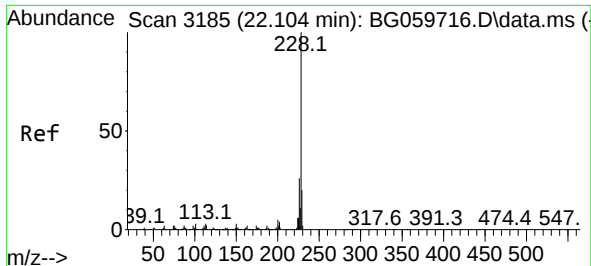
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#81
Benzo(a)anthracene
Concen: 16.166 ng
RT: 22.024 min Scan# 3172
Delta R.T. -0.003 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

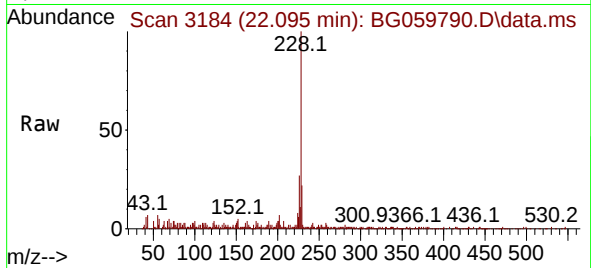
Tgt Ion:228 Resp: 203763
Ion Ratio Lower Upper
228 100
226 26.6 22.1 33.1
229 18.4 14.9 22.3





#83
Chrysene
Concen: 15.853 ng
RT: 22.095 min Scan# 3185
Delta R.T. -0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

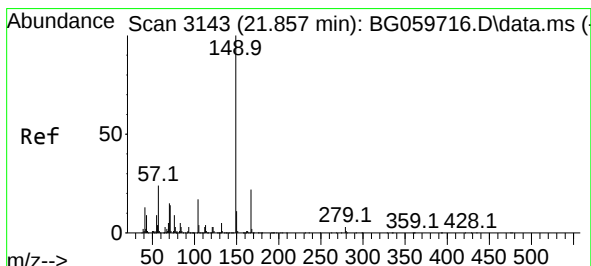
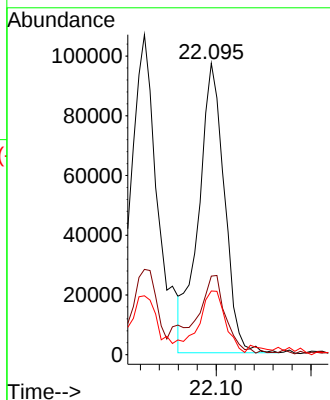
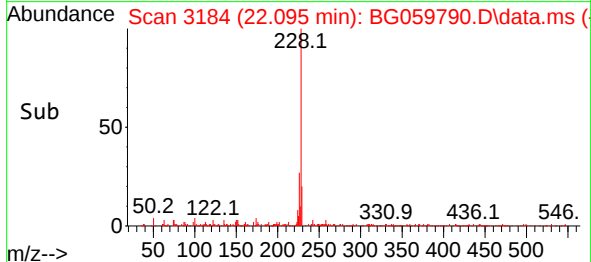
Instrument :
BNA_G
ClientSampleId :
WC-4



Tgt Ion:228 Resp: 183170
Ion Ratio Lower Upper
228 100
226 27.0 21.1 31.7
229 21.9 16.2 24.4

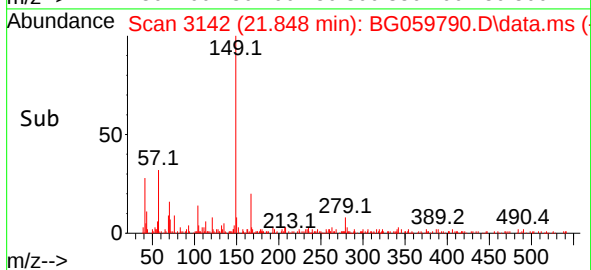
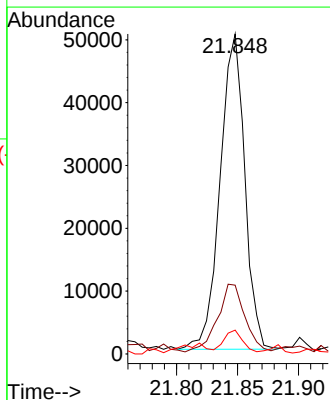
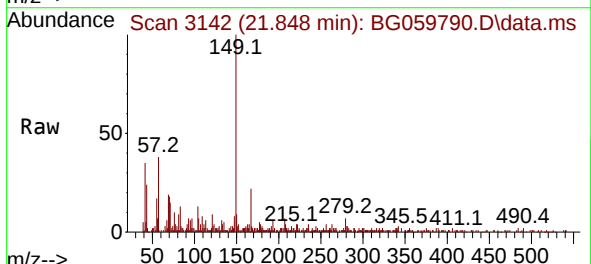
Manual Integrations
APPROVED

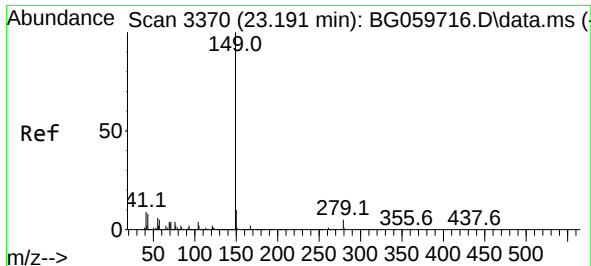
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.831 ng
RT: 21.848 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Tgt Ion:149 Resp: 70628
Ion Ratio Lower Upper
149 100
167 21.5 17.6 26.4
279 7.4 2.7 4.1#





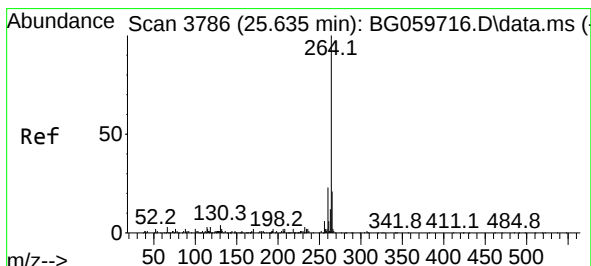
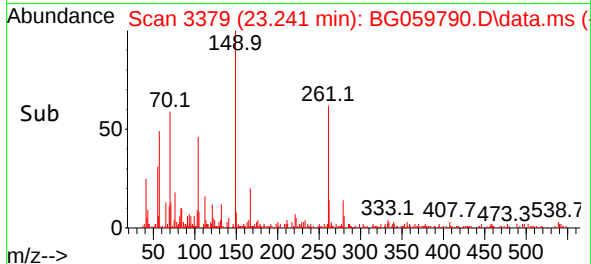
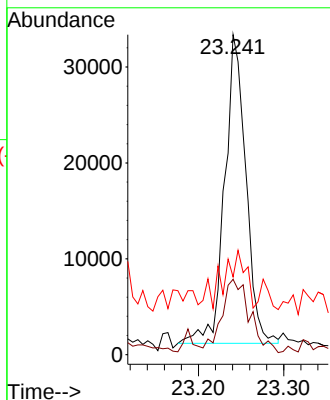
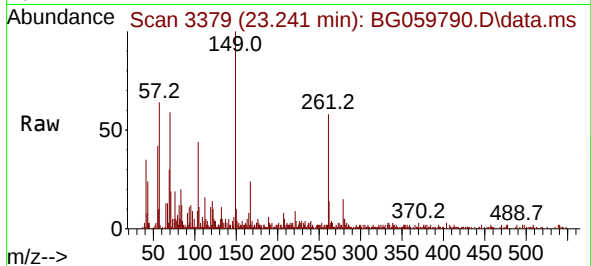
#85
Di-n-octyl phthalate
Concen: 4.032 ng
RT: 23.241 min Scan# 31
Delta R.T. 0.050 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:149 Resp: 5577
Ion Ratio Lower Upper
149 100
167 31.3 1.2 1.8
43 23.0 6.3 9.5

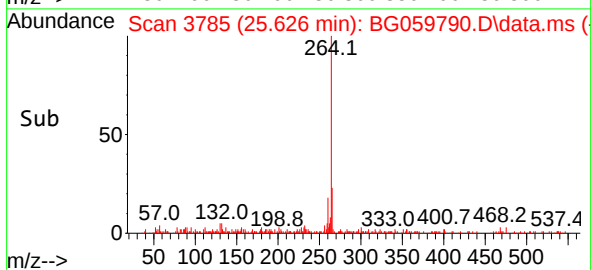
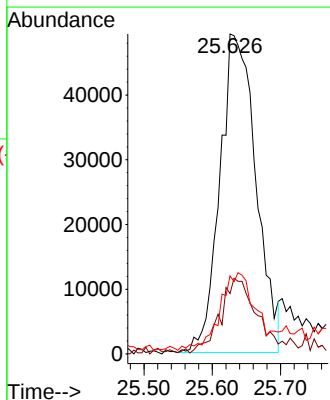
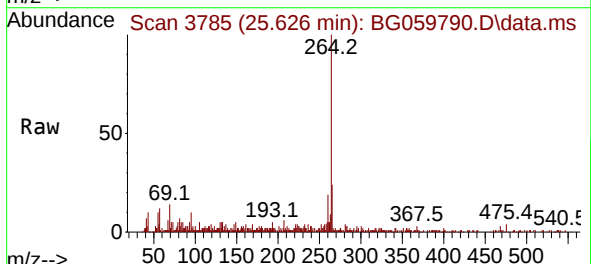
Manual Integrations
APPROVED

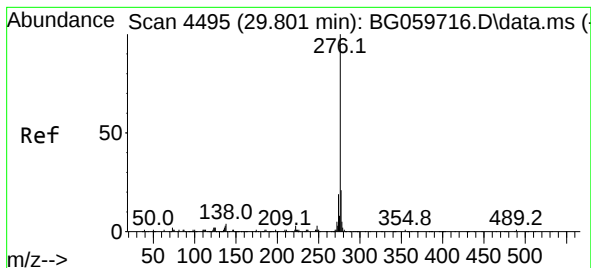
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.626 min Scan# 3785
Delta R.T. -0.009 min
Lab File: BG059790.D
Acq: 21 Nov 2023 13:29

Tgt Ion:264 Resp: 181214
Ion Ratio Lower Upper
264 100
260 18.9 18.5 27.7
265 24.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.235 ng

RT: 29.798 min Scan# 4495

Delta R.T. -0.003 min

Lab File: BG059790.D

Acq: 21 Nov 2023 13:29

Instrument :

BNA_G

ClientSampleId :

WC-4

Tgt Ion: 276 Resp: 7178

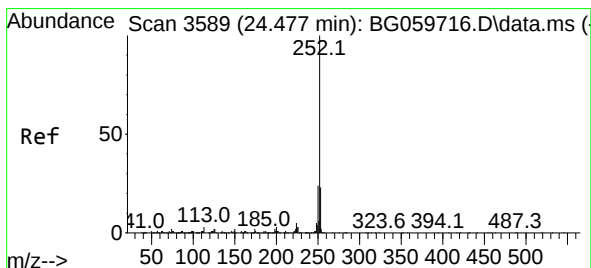
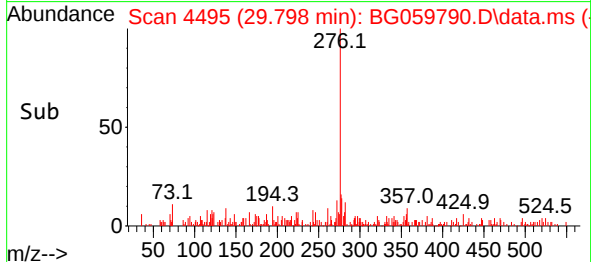
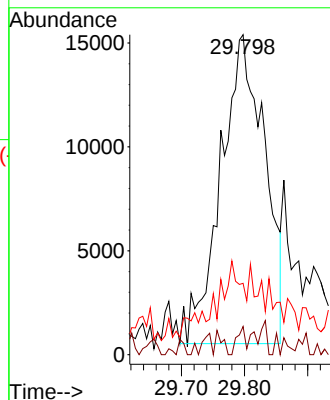
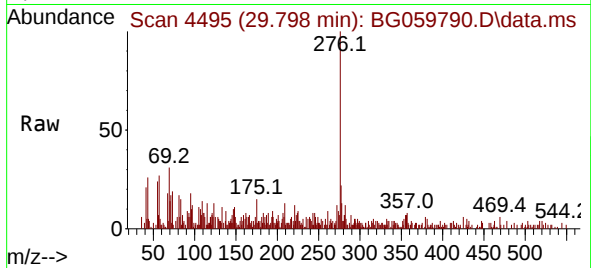
Ion	Ratio	Lower	Upper
276	100		
138	1.7	1.8	2.6
277	7.8	9.8	14.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/23/2023

Supervised By :mohammad ahmed 11/23/2023



#88

Benzo(b)fluoranthene

Concen: 36.728 ng

RT: 24.480 min Scan# 3590

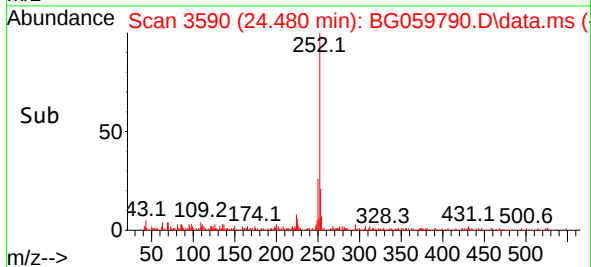
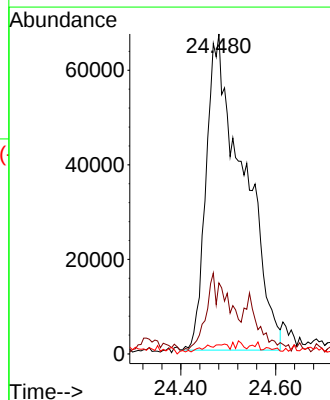
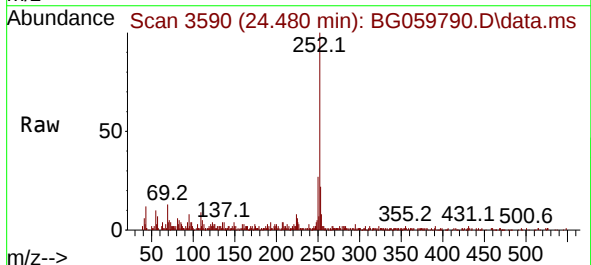
Delta R.T. 0.003 min

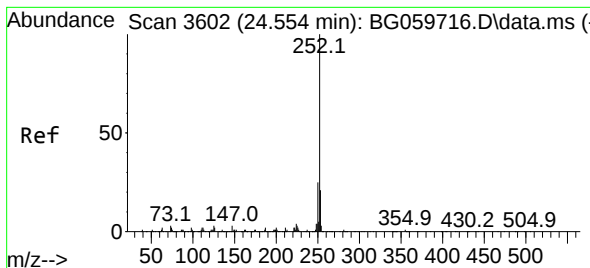
Lab File: BG059790.D

Acq: 21 Nov 2023 13:29

Tgt Ion: 252 Resp: 364791

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.3	27.5
125	2.9	1.4	2.0





#89

Benzo(k)fluoranthene

Concen: 37.151 ng

RT: 24.480 min Scan# 3

Delta R.T. -0.074 min

Lab File: BG059790.D

Acq: 21 Nov 2023 13:29

Instrument :

BNA_G

ClientSampleId :

WC-4

Tgt Ion:252 Resp: 36479

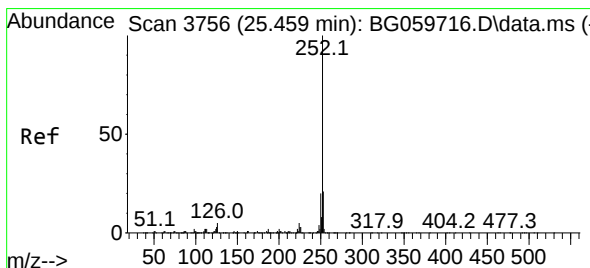
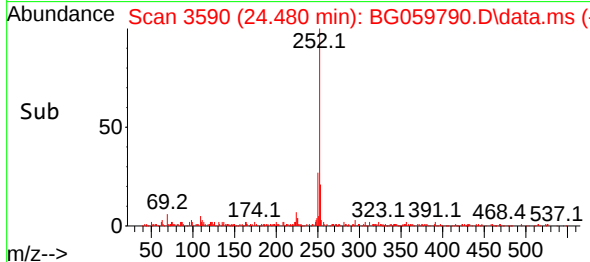
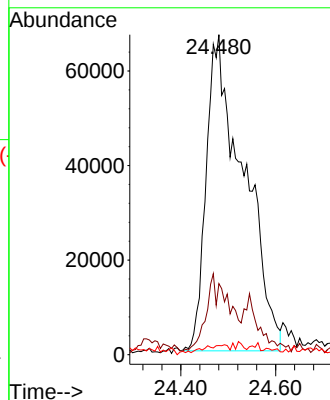
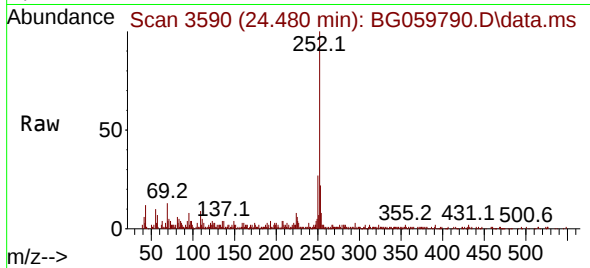
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	2.9	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/23/2023

Supervised By :mohammad ahmed 11/23/2023



#90

Benzo(a)pyrene

Concen: 14.786 ng

RT: 25.461 min Scan# 3757

Delta R.T. 0.003 min

Lab File: BG059790.D

Acq: 21 Nov 2023 13:29

Tgt Ion:252 Resp: 156729

Ion	Ratio	Lower	Upper
252	100		
253	17.8	16.8	25.2
125	2.5	2.0	3.0

