

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
 Data File : BG055707.D
 Acq On : 19 Nov 2022 2:27
 Operator : CG/JU
 Sample : N5696-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-1-111722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022

Quant Time: Nov 19 03:02:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.258	152	56608	20.000	ng	0.00
21) Naphthalene-d8	11.084	136	225516	20.000	ng	0.00
39) Acenaphthene-d10	14.880	164	140908	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	289002	20.000	ng	0.00
76) Chrysene-d12	21.924	240	266638	20.000	ng	0.00
86) Perylene-d12	25.362	264	164177	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	146874	46.898	ng	0.01
7) Phenol-d6	7.400	99	186666	44.775	ng	0.01
23) Nitrobenzene-d5	9.427	82	119420	27.989	ng	0.00
42) 2,4,6-Tribromophenol	16.360	330	83283	41.974	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	276977	29.448	ng	0.00
79) Terphenyl-d14	20.209	244	387990	29.104	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.665	178	46930	3.009	ng	98
75) Fluoranthene	19.662	202	86570	4.563	ng	99
78) Pyrene	20.021	202	94091	5.213	ng	98
81) Benzo(a)anthracene	21.907	228	50651	2.758	ng	# 86
83) Chrysene	21.971	228	65922m	3.771	ng	
88) Benzo(b)fluoranthene	24.269	252	44551	4.167	ng	# 26
89) Benzo(k)fluoranthene	24.316	252	28347m	2.660	ng	
90) Benzo(a)pyrene	25.197	252	30035	3.273	ng	# 52

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

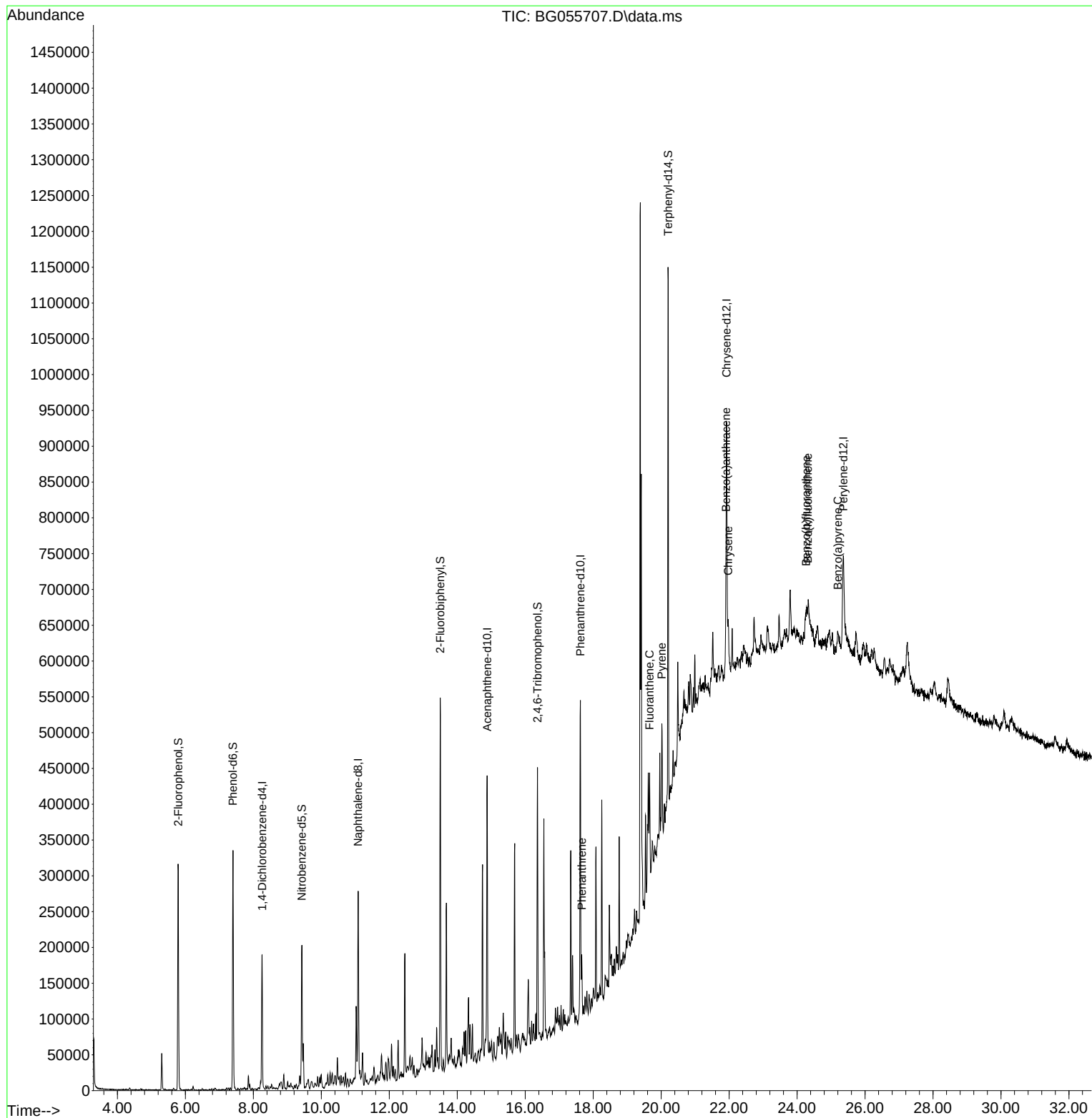
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
Data File : BG055707.D
Acq On : 19 Nov 2022 2:27
Operator : CG/JU
Sample : N5696-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

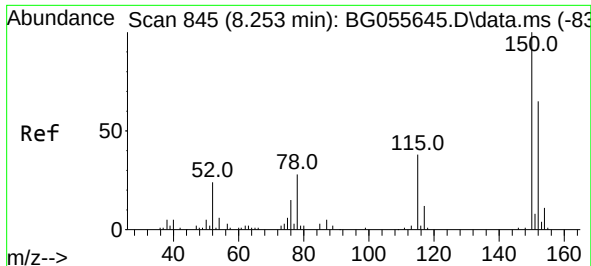
Instrument :
BNA_G
ClientSampleId :
EO-1-111722

Quant Time: Nov 19 03:02:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 17 02:02:46 2022
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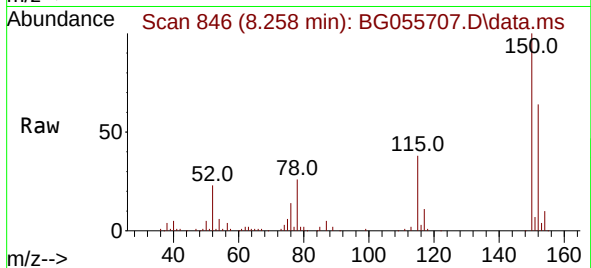
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.258 min Scan# 845
Delta R.T. 0.005 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

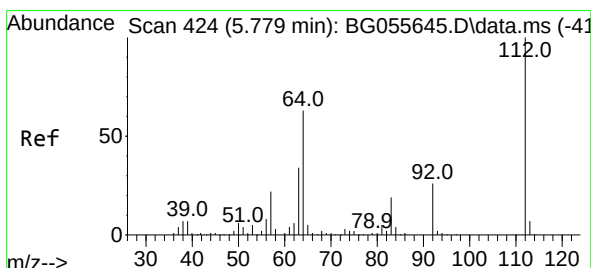
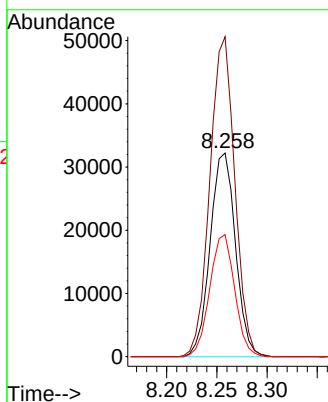
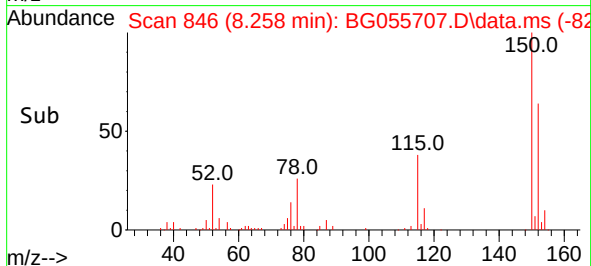
Instrument :
BNA_G
ClientSampleId :
EO-1-111722



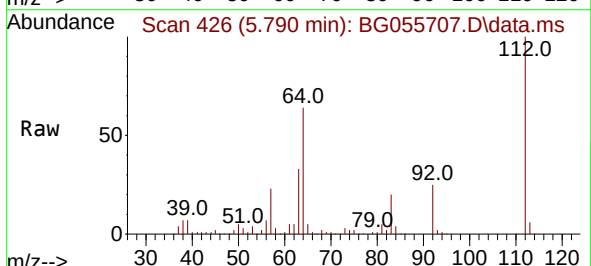
Tgt Ion:152 Resp: 56608
Ion Ratio Lower Upper
152 100
150 157.1 123.0 184.6
115 59.9 47.0 70.4

Manual Integrations
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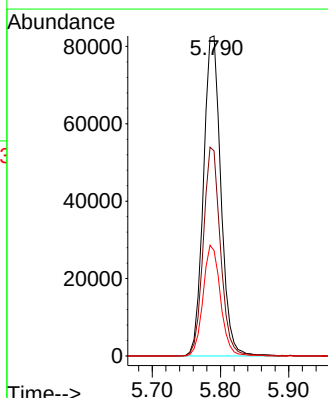
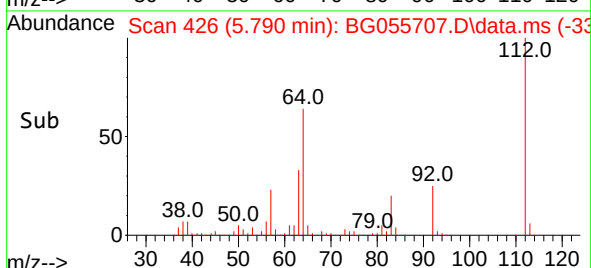
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

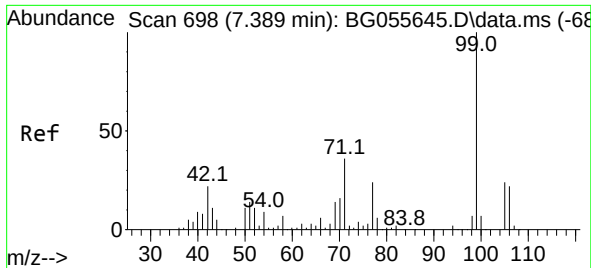


#5
2-Fluorophenol
Concen: 46.898 ng
RT: 5.790 min Scan# 426
Delta R.T. 0.011 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27



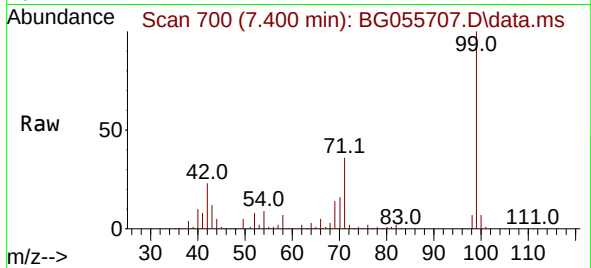
Tgt Ion:112 Resp: 146874
Ion Ratio Lower Upper
112 100
64 64.1 50.6 76.0
63 33.0 27.5 41.3





#7
Phenol-d6
Concen: 44.775 ng
RT: 7.400 min Scan# 70
Delta R.T. 0.011 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

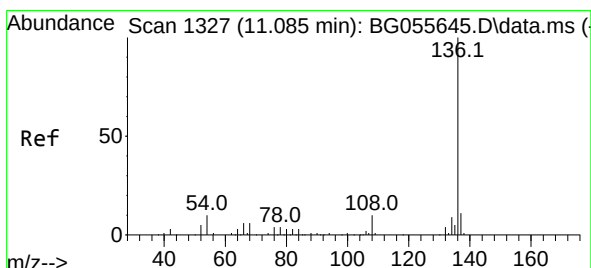
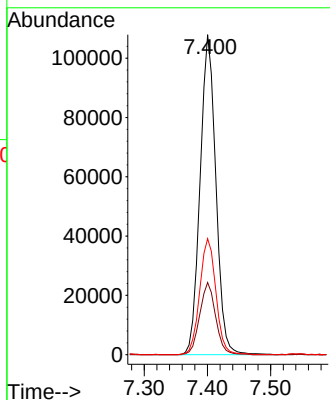
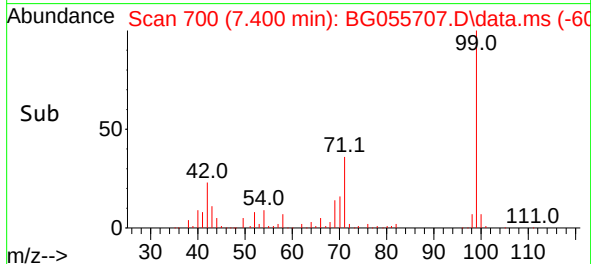
Instrument :
BNA_G
ClientSampleId :
EO-1-111722



Tgt Ion: 99 Resp: 186660
Ion Ratio Lower Upper
99 100
42 22.6 18.0 27.0
71 36.2 29.0 43.6

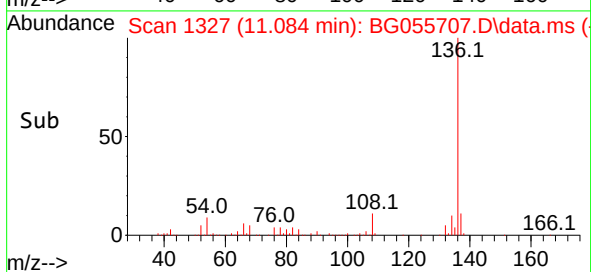
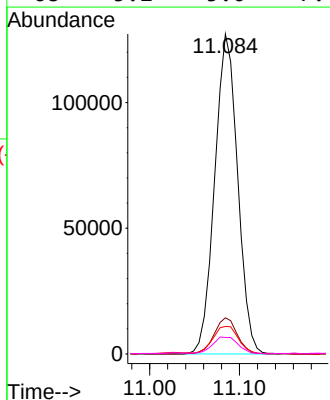
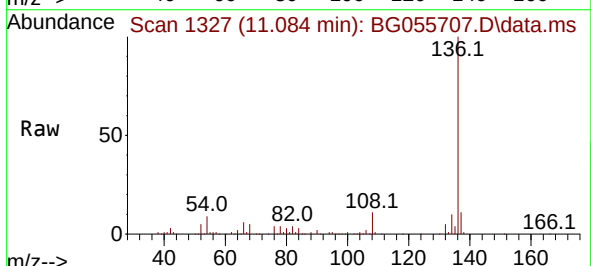
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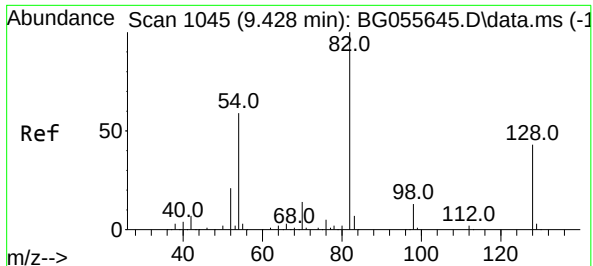
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.084 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

Tgt Ion:136 Resp: 225516
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 8.6 7.8 11.6
68 5.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 27.989 ng

RT: 9.427 min Scan# 1045

Delta R.T. -0.000 min

Lab File: BG055707.D

Acq: 19 Nov 2022 2:27

Instrument :

BNA_G

ClientSampleId :

EO-1-111722

Tgt Ion: 82 Resp: 119420

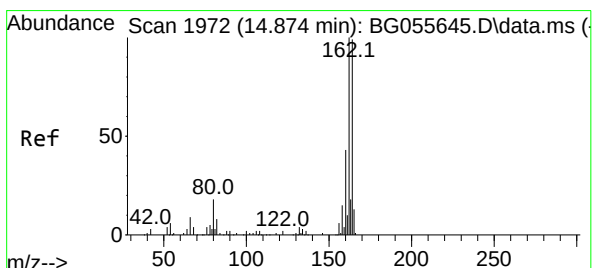
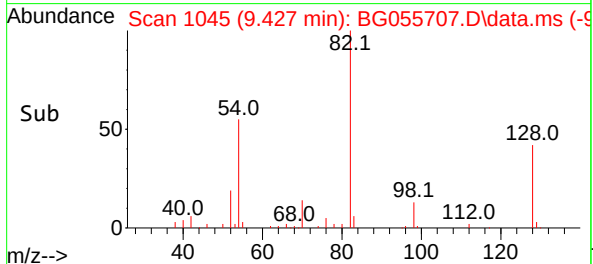
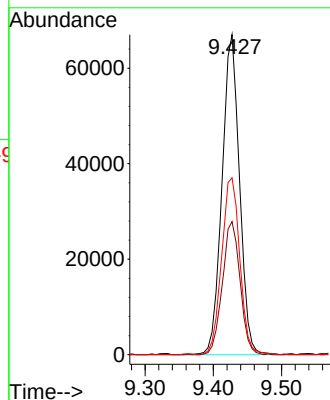
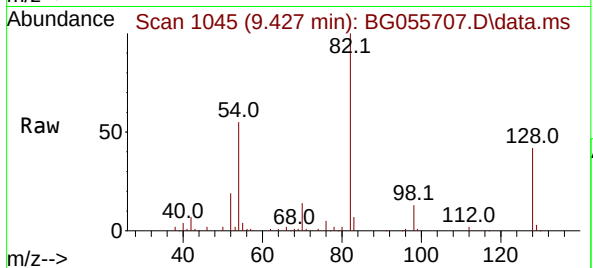
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.1	51.1
54	55.3	47.3	70.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.880 min Scan# 1973

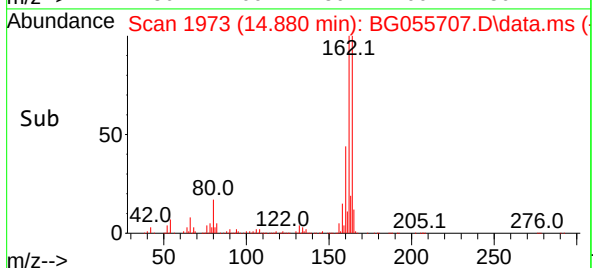
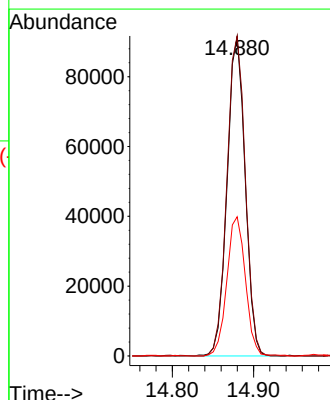
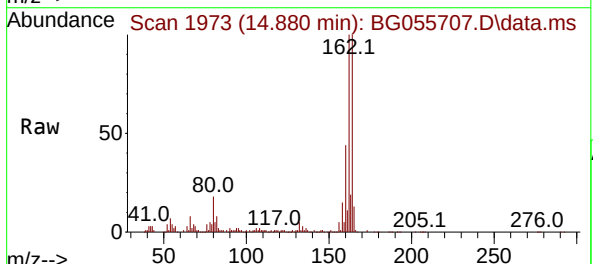
Delta R.T. 0.005 min

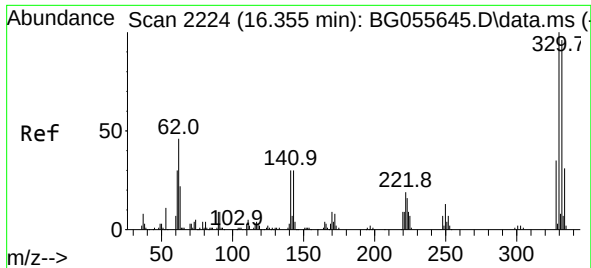
Lab File: BG055707.D

Acq: 19 Nov 2022 2:27

Tgt Ion:164 Resp: 140908

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.1	121.7
160	43.7	34.8	52.2





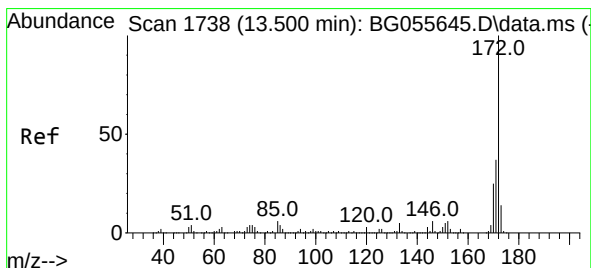
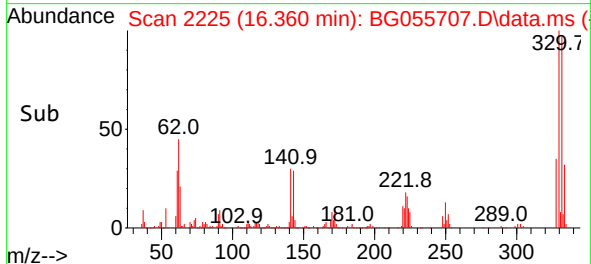
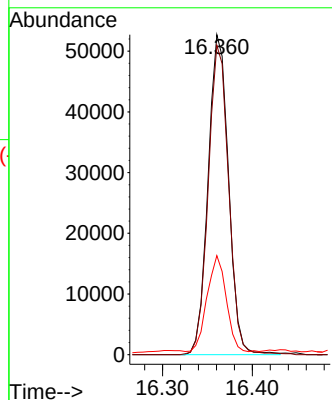
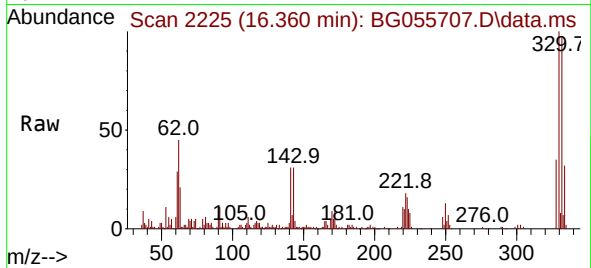
#42
2,4,6-Tribromophenol
Concen: 41.974 ng
RT: 16.360 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

Instrument :
BNA_G
ClientSampleId :
EO-1-111722

Tgt Ion:330 Resp: 8328
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.8
141 28.3 23.9 35.9

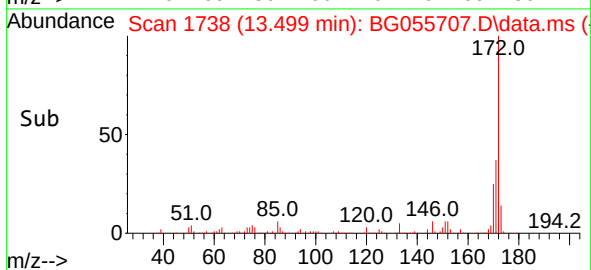
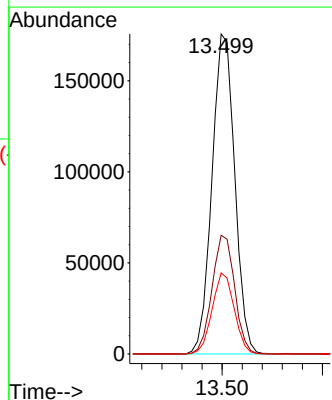
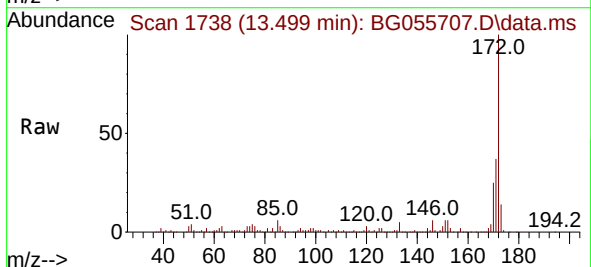
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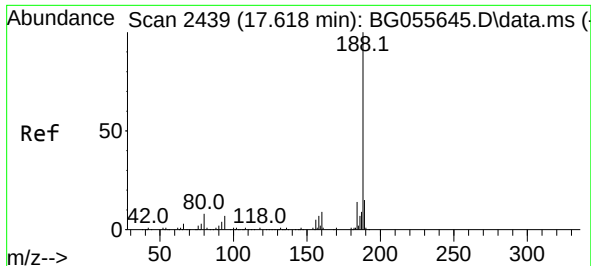
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#45
2-Fluorobiphenyl
Concen: 29.448 ng
RT: 13.499 min Scan# 1738
Delta R.T. -0.000 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

Tgt Ion:172 Resp: 276977
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 25.4 20.2 30.4





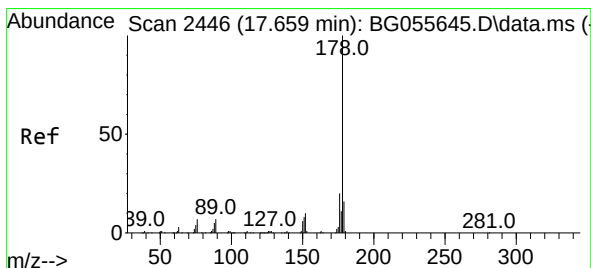
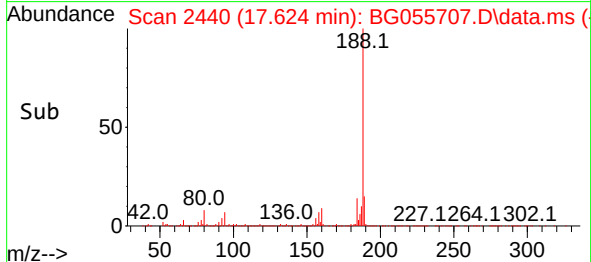
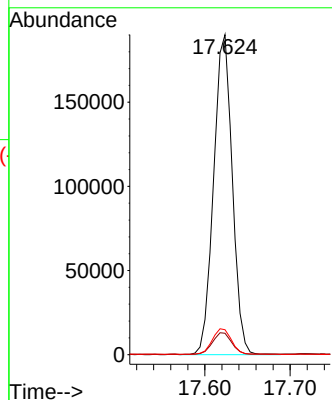
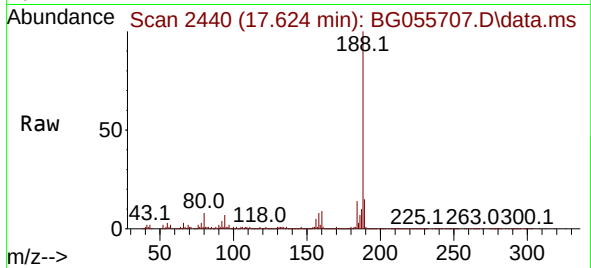
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

Instrument :
BNA_G
ClientSampleId :
EO-1-111722

Tgt Ion:188 Resp: 28900
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.2
80 7.8 6.6 10.0

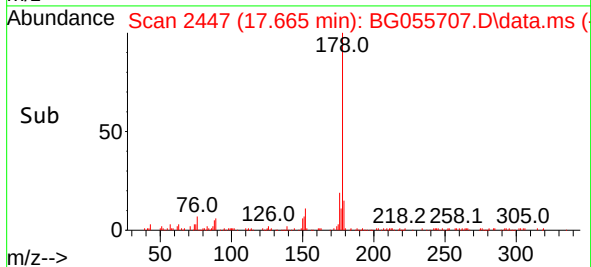
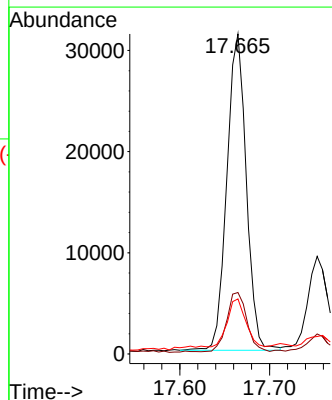
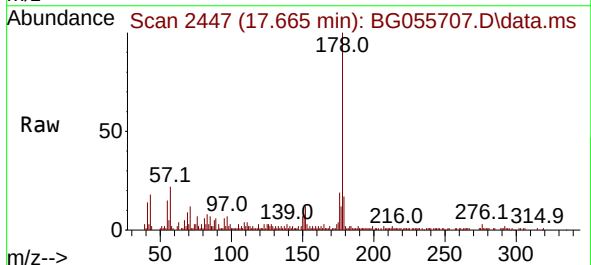
Manual Integrations
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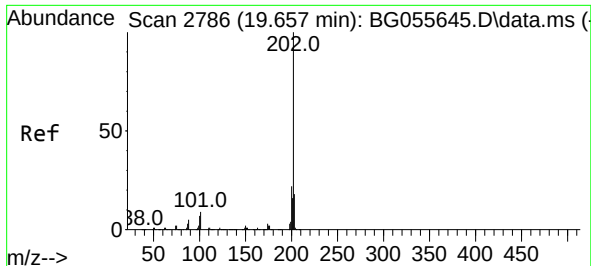
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#71
Phenanthrene
Concen: 3.009 ng
RT: 17.665 min Scan# 2447
Delta R.T. 0.005 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

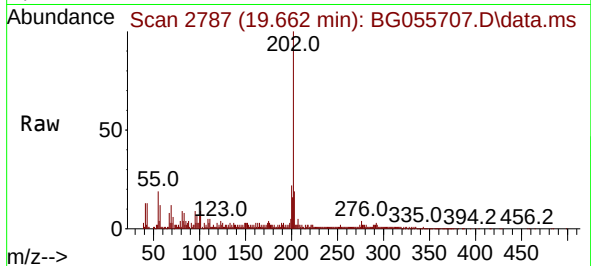
Tgt Ion:178 Resp: 46930
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 17.2 12.7 19.1





#75
Fluoranthene
Concen: 4.563 ng
RT: 19.662 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

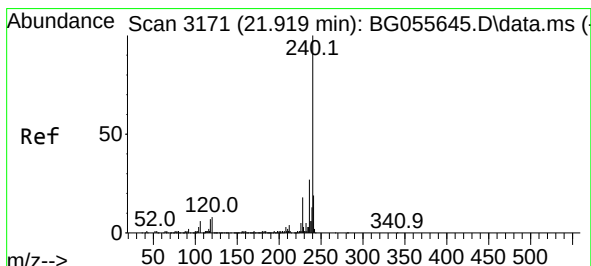
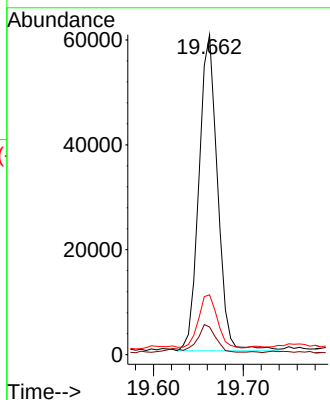
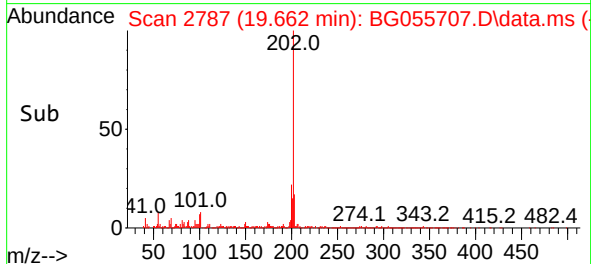
Instrument :
BNA_G
ClientSampleId :
EO-1-111722



Tgt Ion:202 Resp: 86570
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.8
203 18.7 0.0 38.1

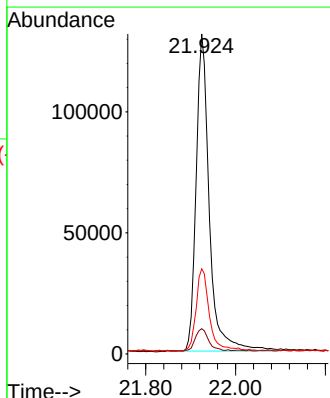
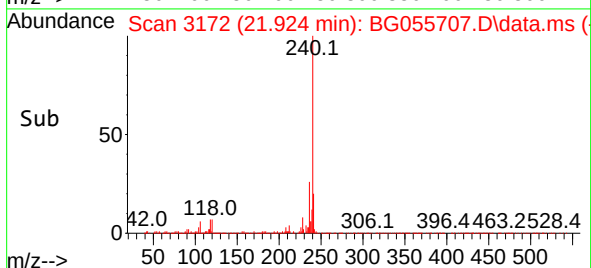
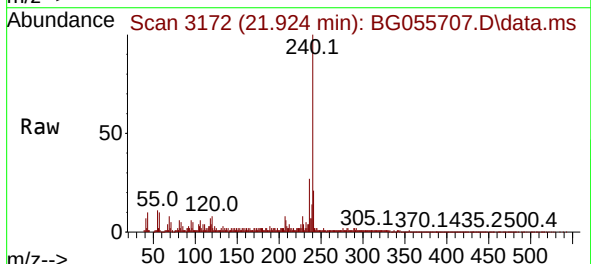
Manual Integrations
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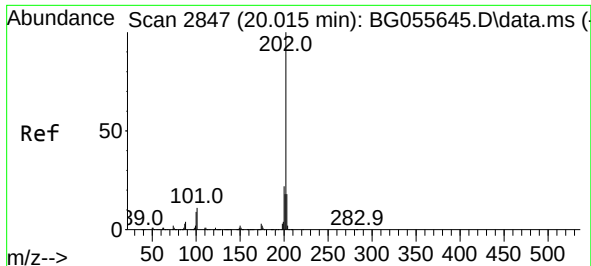
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. 0.005 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

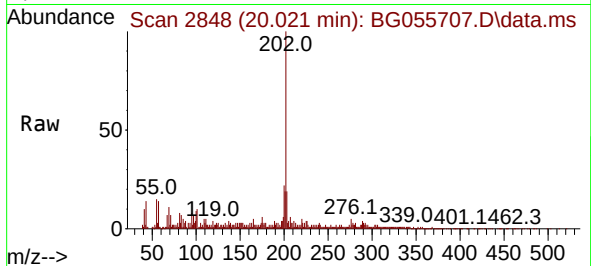
Tgt Ion:240 Resp: 266638
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 26.6 21.9 32.9





#78
Pyrene
Concen: 5.213 ng
RT: 20.021 min Scan# 2847
Delta R.T. 0.005 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27

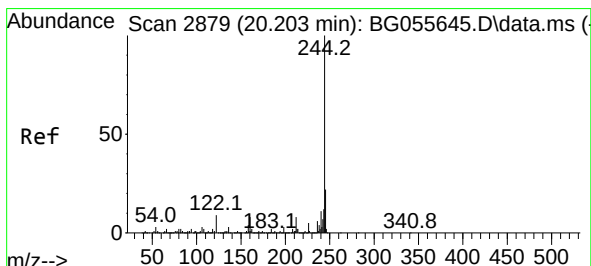
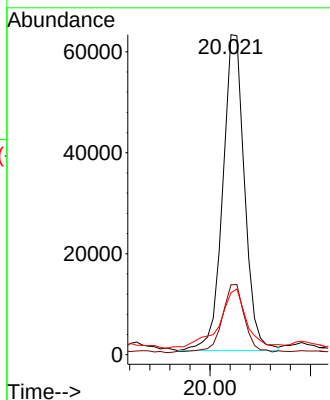
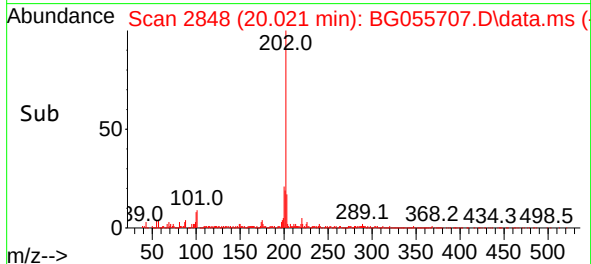
Instrument :
BNA_G
ClientSampleId :
EO-1-111722



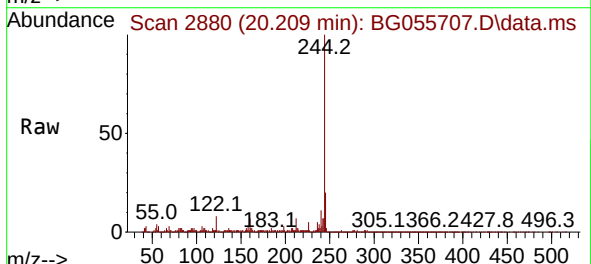
Tgt Ion:202 Resp: 9409
Ion Ratio Lower Upper
202 100
200 21.8 17.8 26.6
203 19.4 14.4 21.6

Manual Integrations
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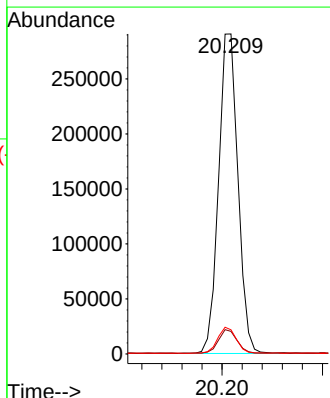
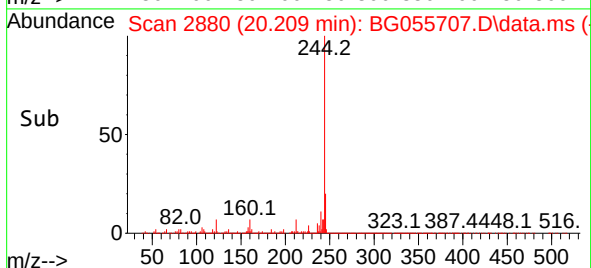
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

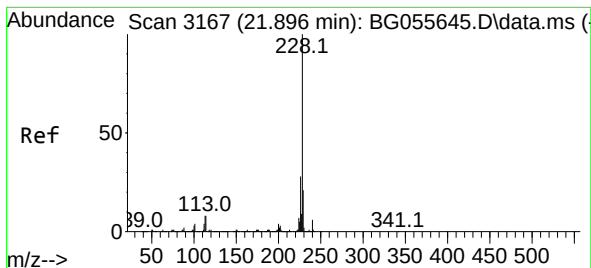


#79
Terphenyl-d14
Concen: 29.104 ng
RT: 20.209 min Scan# 2880
Delta R.T. 0.005 min
Lab File: BG055707.D
Acq: 19 Nov 2022 2:27



Tgt Ion:244 Resp: 387990
Ion Ratio Lower Upper
244 100
212 7.1 6.3 9.5
122 7.6 6.9 10.3





#81

Benzo(a)anthracene

Concen: 2.758 ng

RT: 21.907 min Scan# 3169

Delta R.T. 0.011 min

Lab File: BG055707.D

Acq: 19 Nov 2022 2:27

Instrument :

BNA_G

ClientSampleId :

EO-1-111722

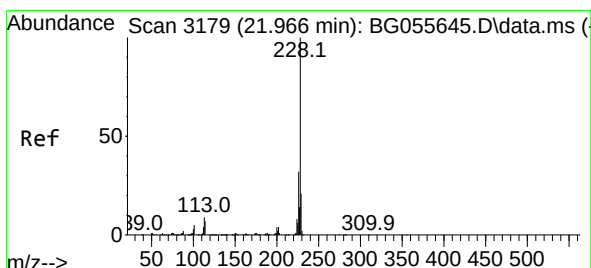
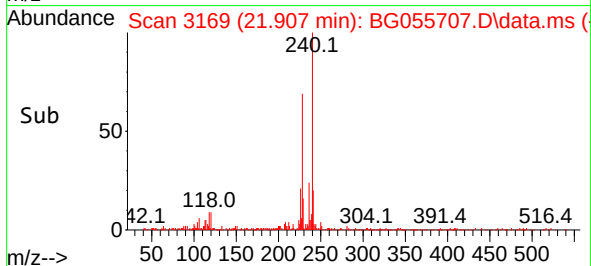
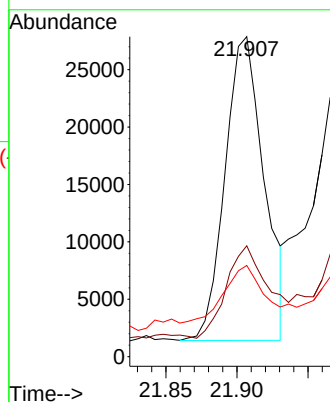
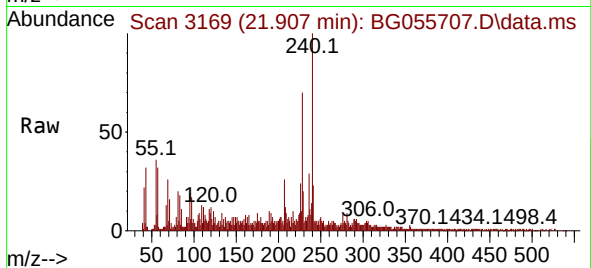
Tgt Ion:	228	Resp:	5065
Ion Ratio	Lower	Upper	
228	100		
226	34.7	22.7	34.1
229	28.5	16.5	24.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#83

Chrysene

Concen: 3.771 ng m

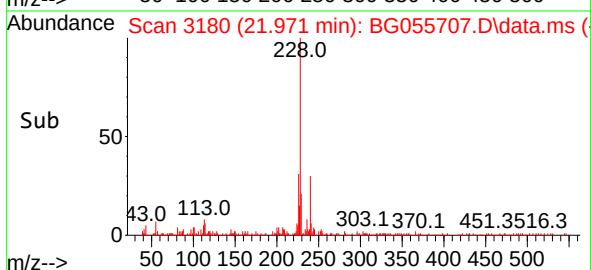
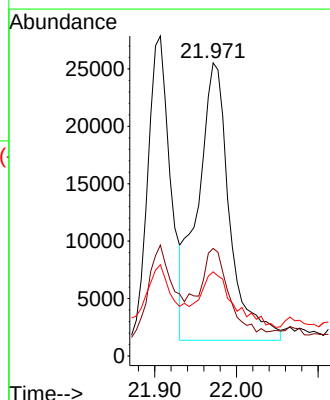
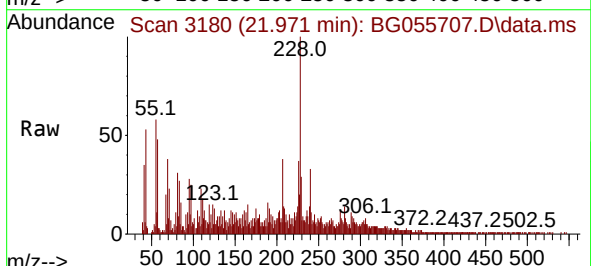
RT: 21.971 min Scan# 3180

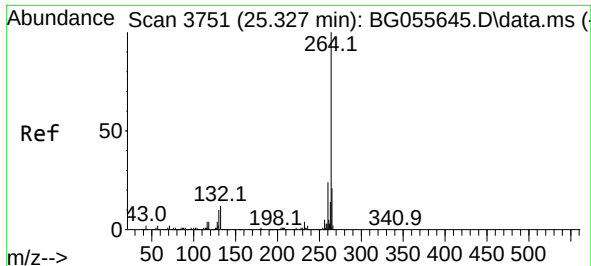
Delta R.T. 0.005 min

Lab File: BG055707.D

Acq: 19 Nov 2022 2:27

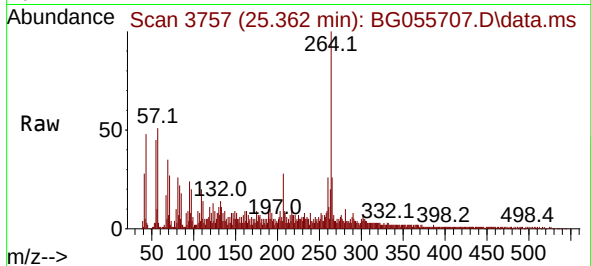
Tgt Ion:	228	Resp:	65922
Ion Ratio	Lower	Upper	
228	100		
226	36.7	25.4	38.2
229	28.7	17.1	25.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.362 min Scan# 31
 Delta R.T. 0.035 min
 Lab File: BG055707.D
 Acq: 19 Nov 2022 2:27

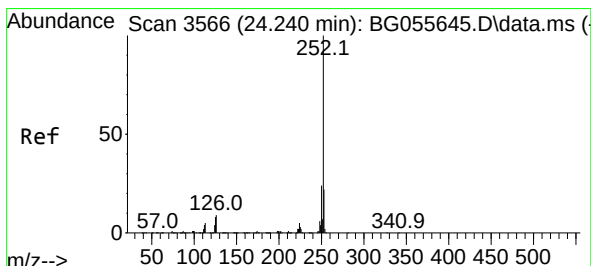
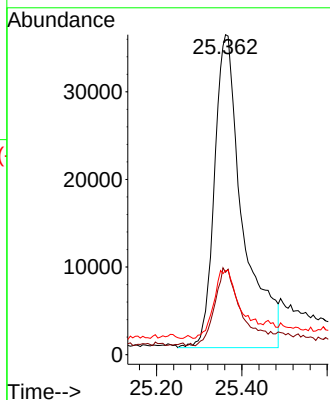
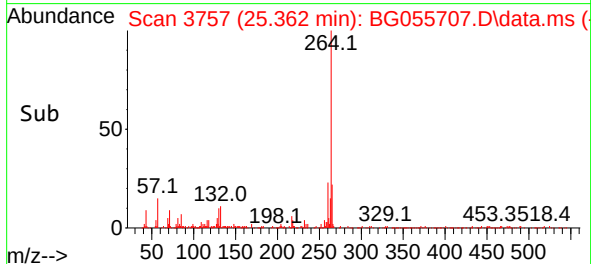
Instrument :
 BNA_G
 ClientSampleId :
 EO-1-111722



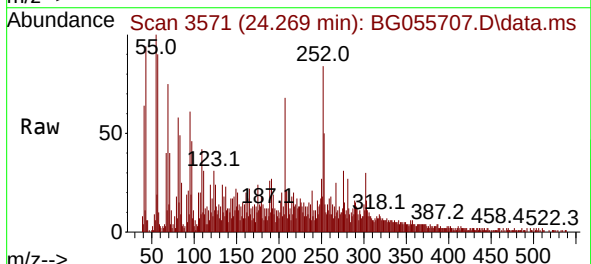
Tgt Ion:264 Resp: 16417
 Ion Ratio Lower Upper
 264 100
 260 25.7 19.5 29.3
 265 26.2 17.1 25.7

Manual Integrations
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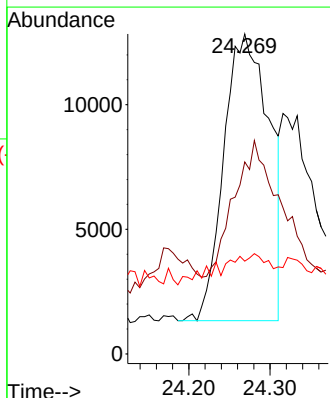
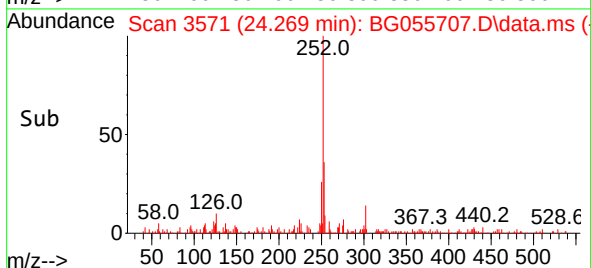
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

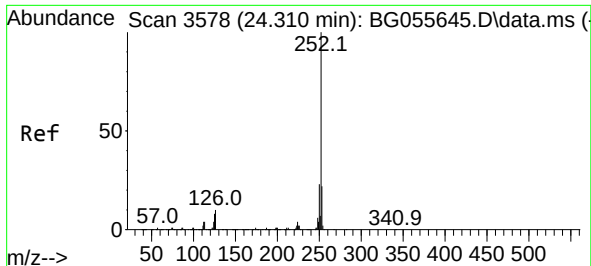


#88
 Benzo(b)fluoranthene
 Concen: 4.167 ng
 RT: 24.269 min Scan# 3571
 Delta R.T. 0.029 min
 Lab File: BG055707.D
 Acq: 19 Nov 2022 2:27



Tgt Ion:252 Resp: 44551
 Ion Ratio Lower Upper
 252 100
 253 60.0 18.0 27.0#
 125 29.0 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 2.660 ng m

RT: 24.316 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG055707.D

Acq: 19 Nov 2022 2:27

Instrument :

BNA_G

ClientSampleId :

EO-1-111722

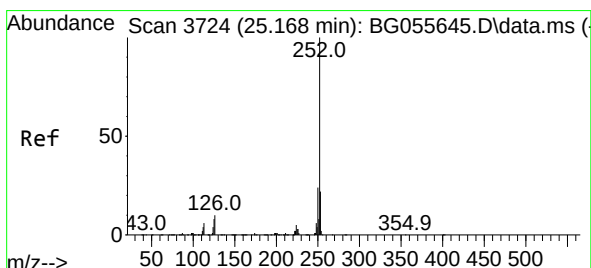
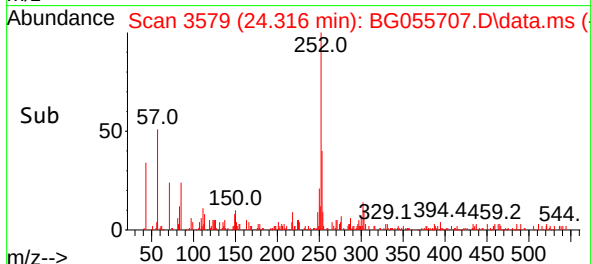
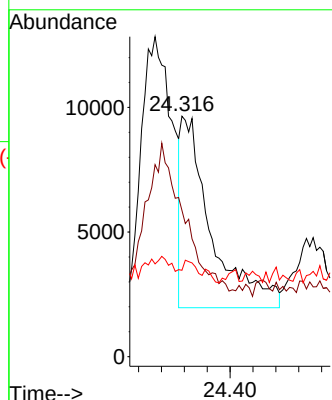
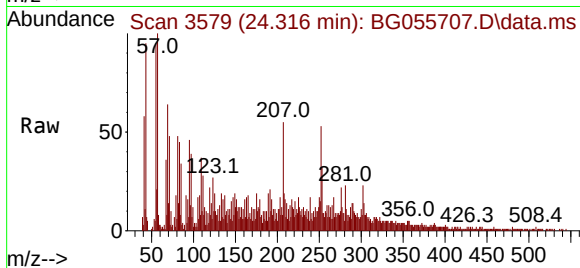
Tgt Ion:252 Resp: 2834
 Ion Ratio Lower Upper
 252 100
 253 60.8 17.8 26.6#
 125 35.9 6.1 9.1#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#90

Benzo(a)pyrene

Concen: 3.273 ng

RT: 25.197 min Scan# 3729

Delta R.T. 0.029 min

Lab File: BG055707.D

Acq: 19 Nov 2022 2:27

Tgt Ion:252 Resp: 30035
 Ion Ratio Lower Upper
 252 100
 253 39.8 17.8 26.6#
 125 35.8 6.4 9.6#

