

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054388.D
 Acq On : 25 Jul 2022 20:51
 Operator : CG/JU
 Sample : N3855-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-072222

Quant Time: Jul 26 00:55:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/26/2022
 Supervised By : Jagrut Upadhyay 07/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.991	152	26821	20.000	ng	0.00
21) Naphthalene-d8	10.799	136	101266	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	74109	20.000	ng	0.00
64) Phenanthrene-d10	17.374	188	176831	20.000	ng	# 0.00
76) Chrysene-d12	21.640	240	202450	20.000	ng	# 0.00
86) Perylene-d12	24.848	264	189275	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	20862	16.240	ng	0.00
7) Phenol-d6	7.174	99	27270	15.492	ng	0.00
23) Nitrobenzene-d5	9.154	82	18674	10.042	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	22578	14.510	ng	0.00
45) 2-Fluorobiphenyl	13.249	172	55842	10.630	ng	0.00
79) Terphenyl-d14	19.977	244	112995	11.072	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.415	178	59808	6.792	ng	98
75) Fluoranthene	19.425	202	124294	10.354	ng	95
78) Pyrene	19.789	202	115020	9.901	ng	97
81) Benzo(a)anthracene	21.616	228	69652	5.420	ng	94
83) Chrysene	21.681	228	68264m	5.622	ng	
87) Indeno(1,2,3-cd)pyrene	28.514	276	30785	2.138	ng	# 74
88) Benzo(b)fluoranthene	23.831	252	84540	7.553	ng	# 92
89) Benzo(k)fluoranthene	23.890	252	34627m	3.108	ng	
90) Benzo(a)pyrene	24.695	252	60496	6.328	ng	# 92
92) Benzo(g,h,i)perylene	29.671	276	26193	2.241	ng	# 84

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

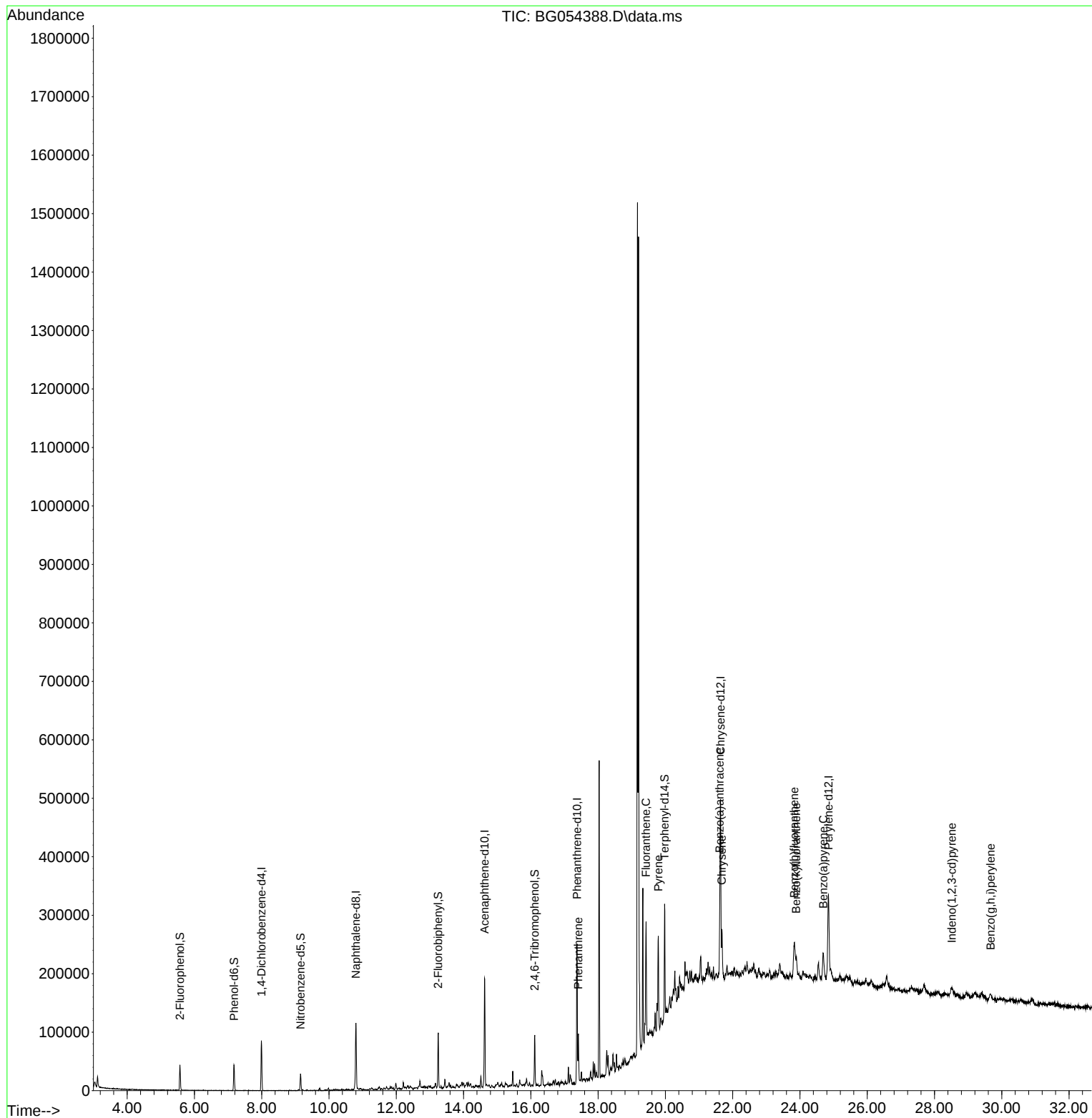
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054388.D
Acq On : 25 Jul 2022 20:51
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Quant Time: Jul 26 00:55:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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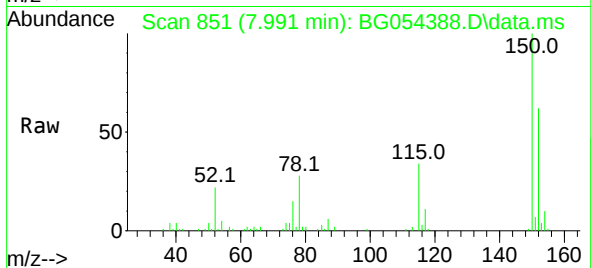
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.991 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Instrument :

BNA_G

ClientSampleId :

EO-03-072222

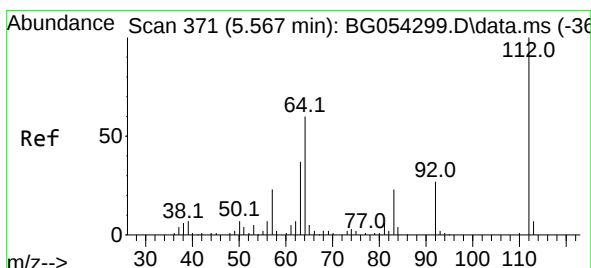
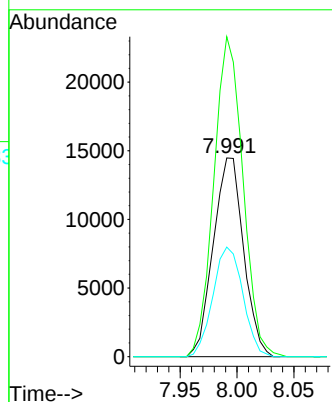


Tgt Ion:152 Resp: 2682
Ion Ratio Lower Upper
152 100
150 161.0 131.6 197.4
115 55.2 50.9 76.3

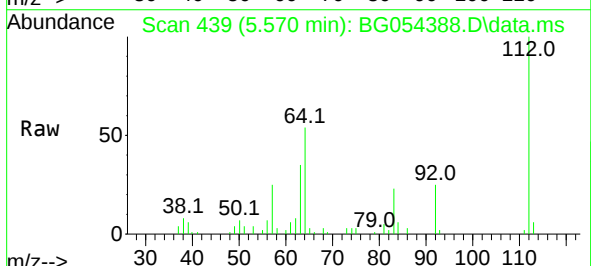
Manual Integrations

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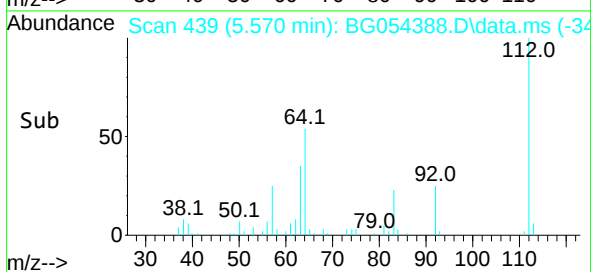
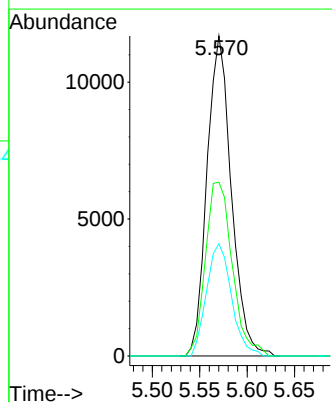
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#5
2-Fluorophenol
Concen: 16.240 ng
RT: 5.570 min Scan# 439
Delta R.T. 0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51



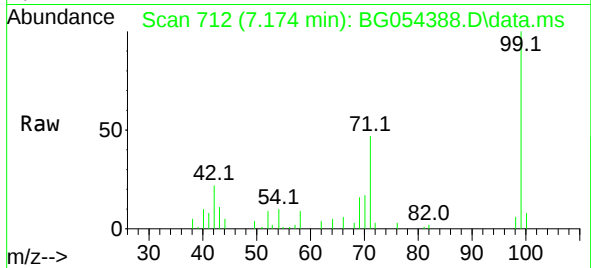
Tgt Ion:112 Resp: 20862
Ion Ratio Lower Upper
112 100
64 54.3 55.1 82.7#
63 35.0 30.4 45.6





#7
Phenol-d6
Concen: 15.492 ng
RT: 7.174 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

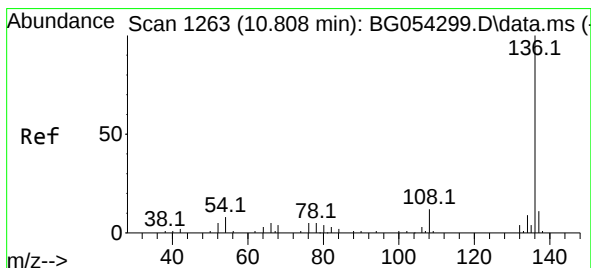
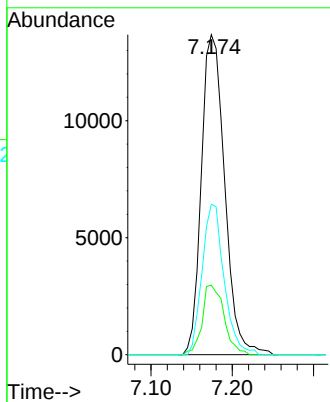
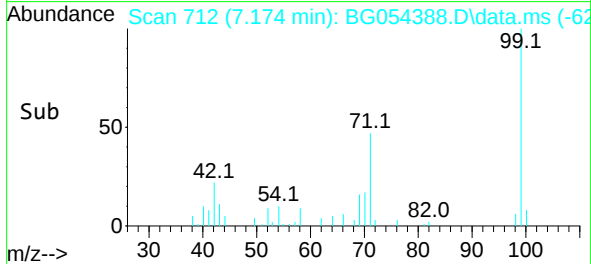
Instrument :
BNA_G
ClientSampleId :
EO-03-072222



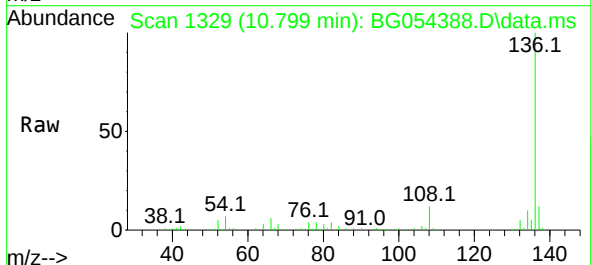
Tgt Ion: 99 Resp: 27270
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 47.0 33.8 50.8

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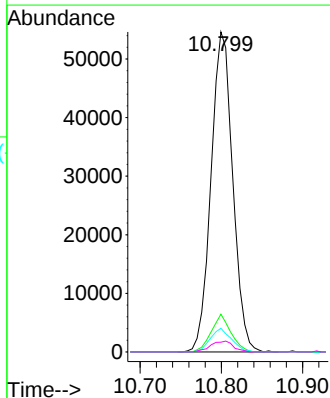
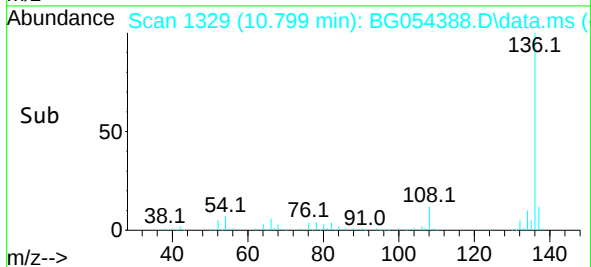
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.799 min Scan# 1329
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51



Tgt Ion:136 Resp: 101266
Ion Ratio Lower Upper
136 100
137 11.8 8.5 12.7
54 7.4 7.4 11.2#
68 3.1 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 10.042 ng
RT: 9.154 min Scan# 1049
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Instrument :

BNA_G

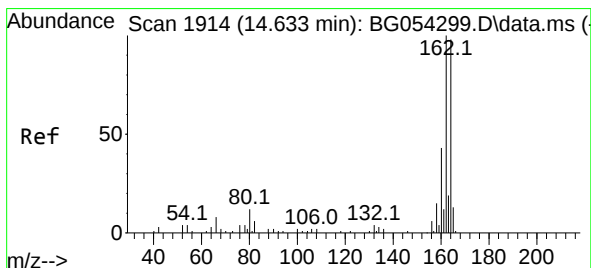
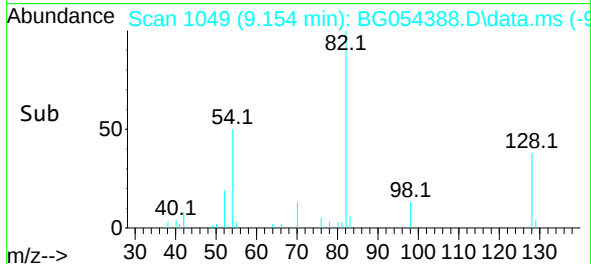
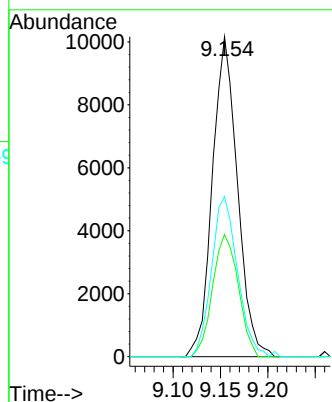
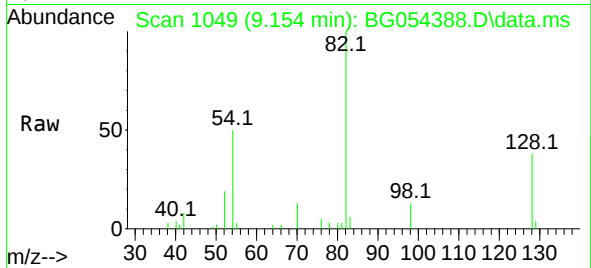
ClientSampleId :

EO-03-072222

Tgt Ion: 82 Resp: 18674
Ion Ratio Lower Upper
82 100
128 38.1 27.9 41.9
54 50.1 41.2 61.8

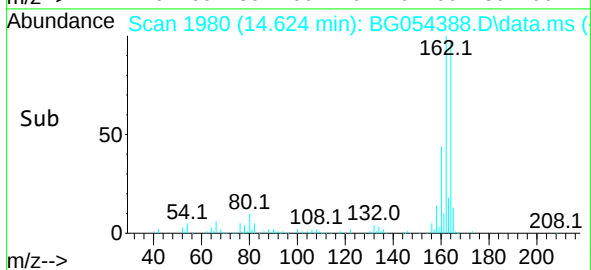
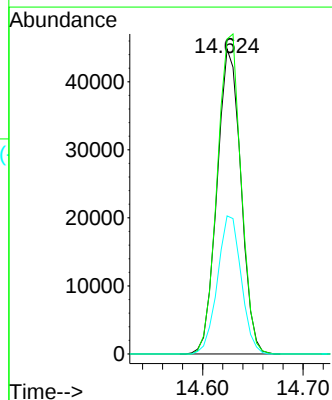
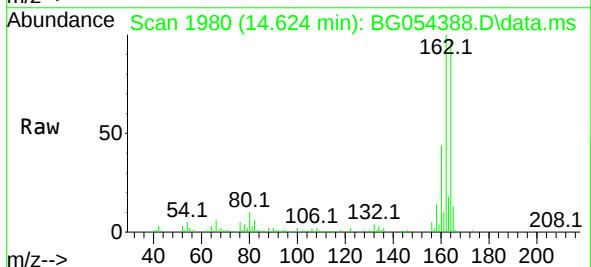
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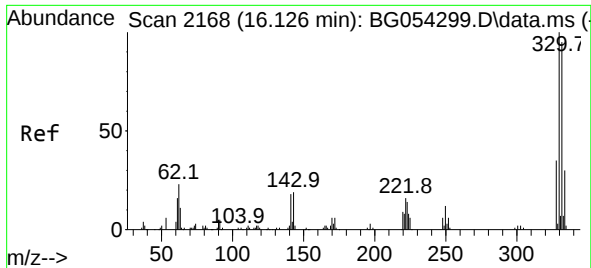
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1980
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Tgt Ion:164 Resp: 74109
Ion Ratio Lower Upper
164 100
162 103.2 82.3 123.5
160 45.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 14.510 ng
RT: 16.117 min Scan# 2168
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Instrument :

BNA_G

ClientSampleId :

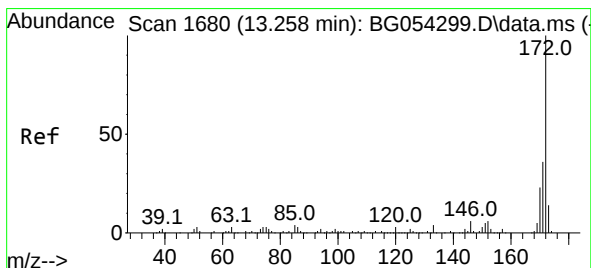
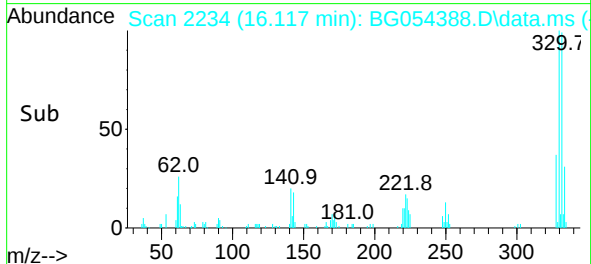
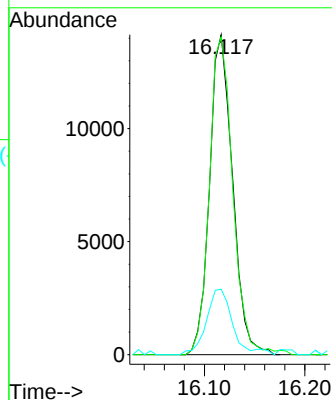
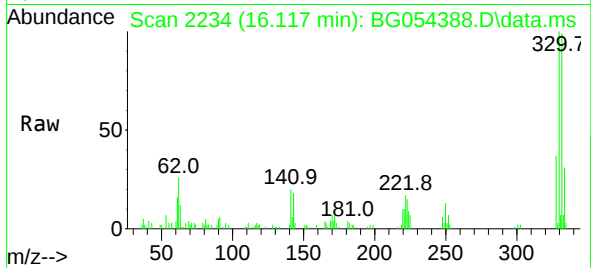
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Tgt Ion:330 Resp: 22578
Ion Ratio Lower Upper
330 100
332 101.1 76.0 114.0
141 23.2 27.1 40.7

Manual Integrations

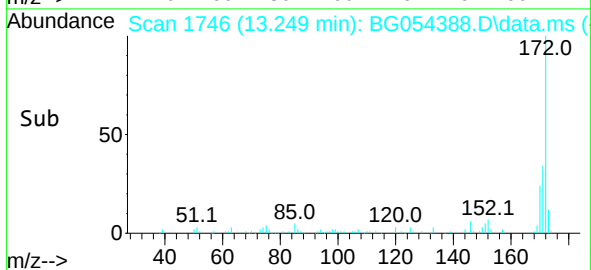
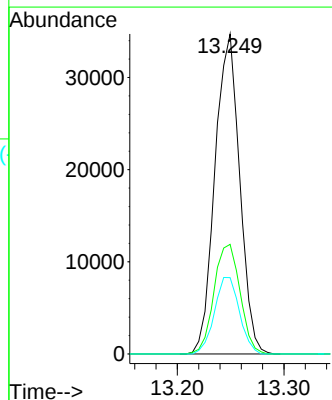
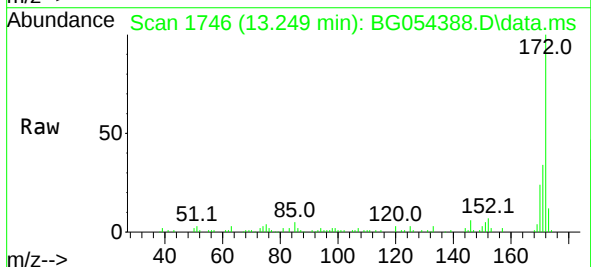
APPROVED

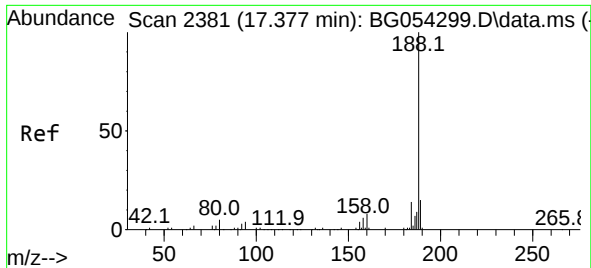
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#45
2-Fluorobiphenyl
Concen: 10.630 ng
RT: 13.249 min Scan# 1746
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

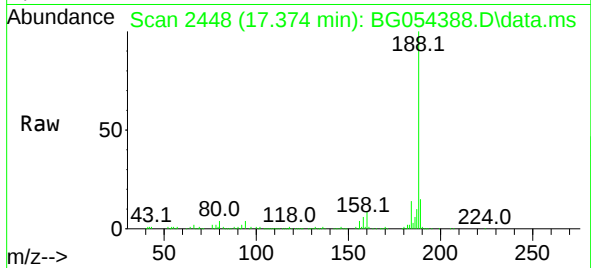
Tgt Ion:172 Resp: 55842
Ion Ratio Lower Upper
172 100
171 34.3 28.5 42.7
170 23.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.374 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

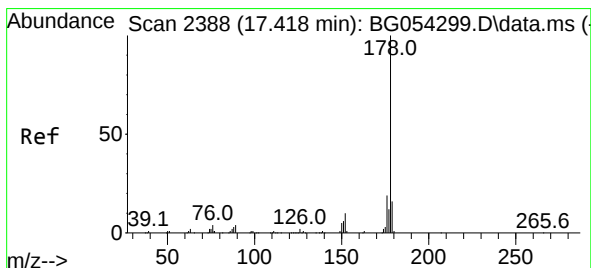
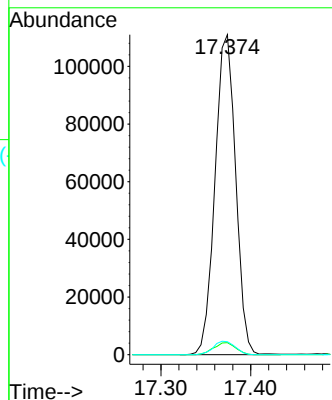
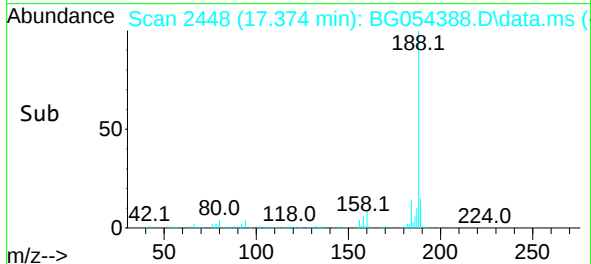
Instrument :
BNA_G
ClientSampleId :
EO-03-072222



Tgt Ion:188 Resp: 17683
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0
80 4.0 6.8 10.2

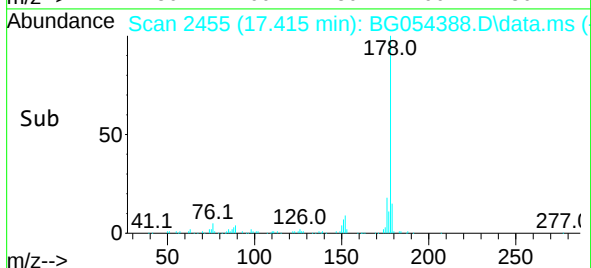
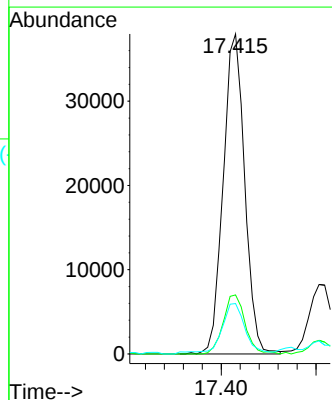
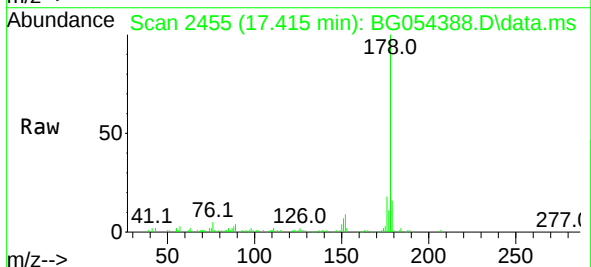
Manual Integrations
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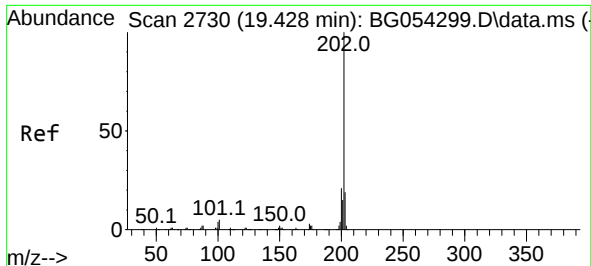
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#71
Phenanthrene
Concen: 6.792 ng
RT: 17.415 min Scan# 2455
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

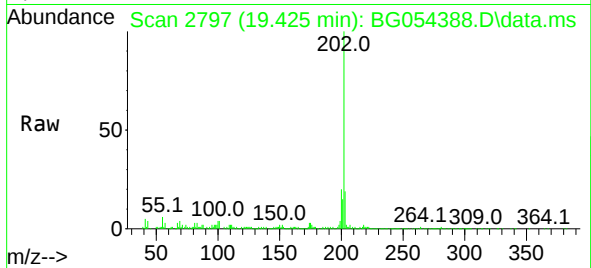
Tgt Ion:178 Resp: 59808
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 15.8 12.1 18.1





#75
Fluoranthene
Concen: 10.354 ng
RT: 19.425 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

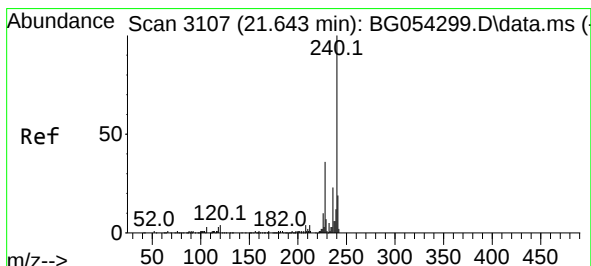
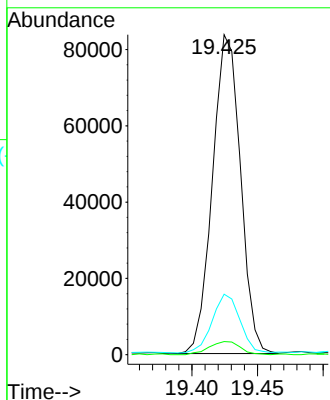
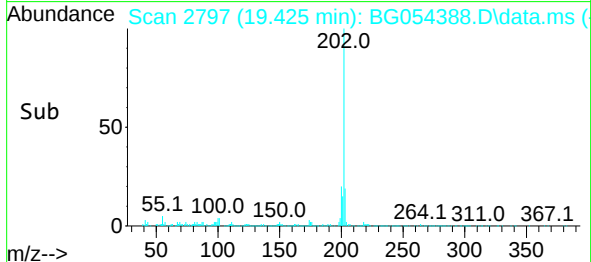
Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 124294
Ion Ratio Lower Upper
202 100
101 4.1 0.0 26.9
203 18.9 0.0 37.2

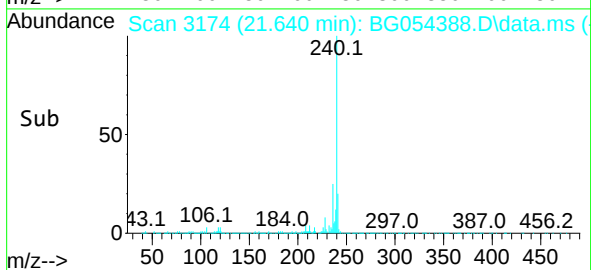
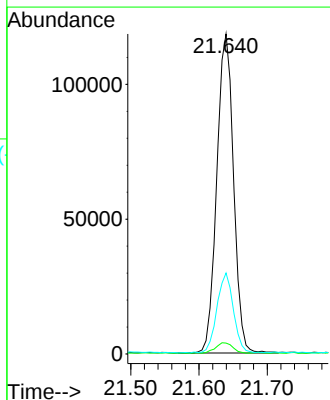
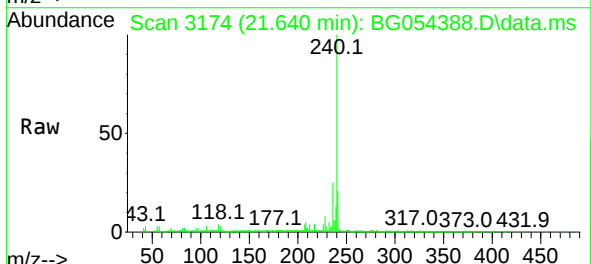
Manual Integrations
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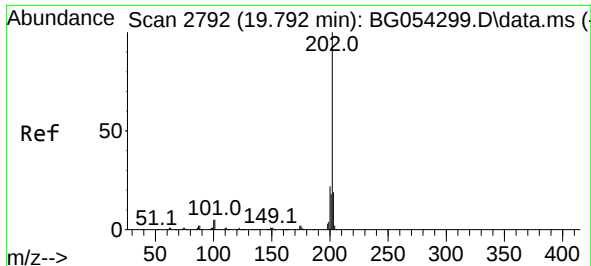
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.640 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

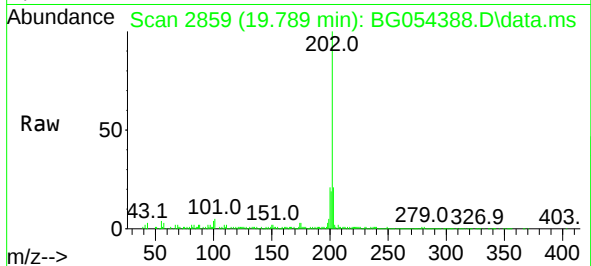
Tgt Ion:240 Resp: 202450
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 25.3 20.2 30.4





#78
Pyrene
Concen: 9.901 ng
RT: 19.789 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

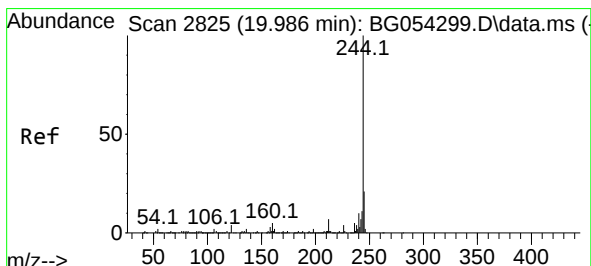
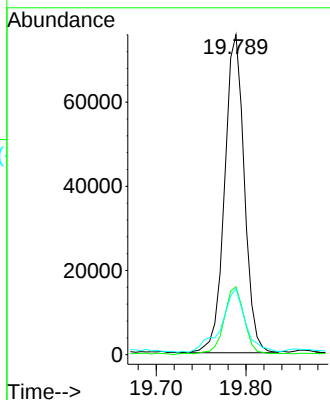
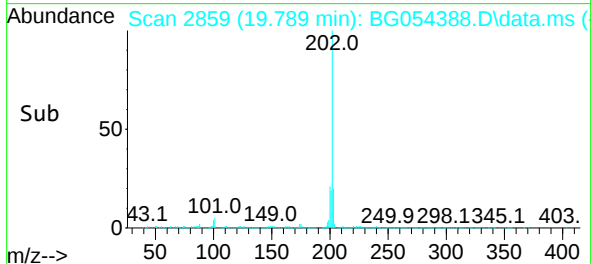
Instrument :
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EO-03-072222



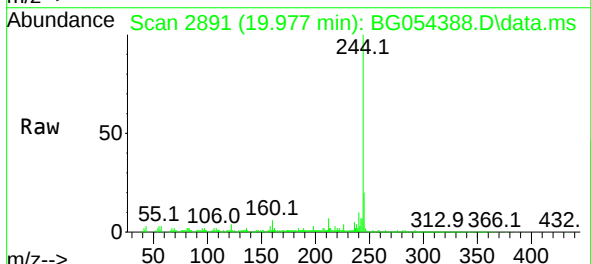
Tgt Ion:202 Resp: 115020
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 20.7 14.6 21.8

Manual Integrations
APPROVED

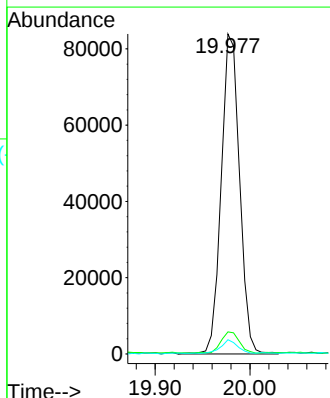
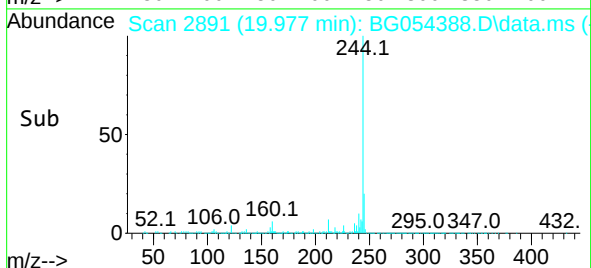
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

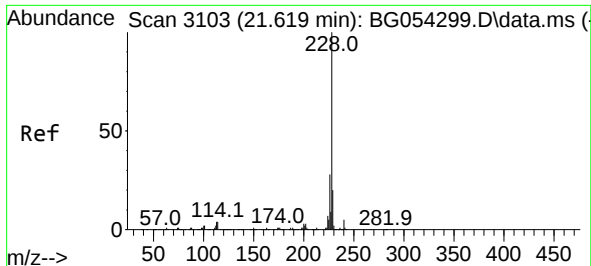


#79
Terphenyl-d14
Concen: 11.072 ng
RT: 19.977 min Scan# 2891
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51



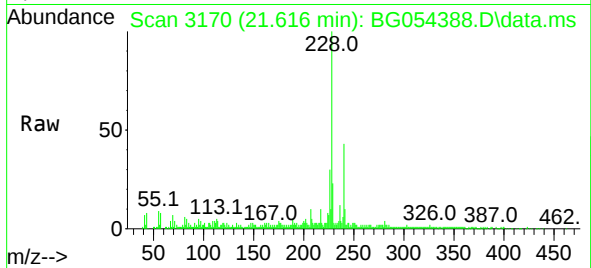
Tgt Ion:244 Resp: 112995
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 4.4 5.0 7.4





#81
Benzo(a)anthracene
Concen: 5.420 ng
RT: 21.616 min Scan# 3103
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

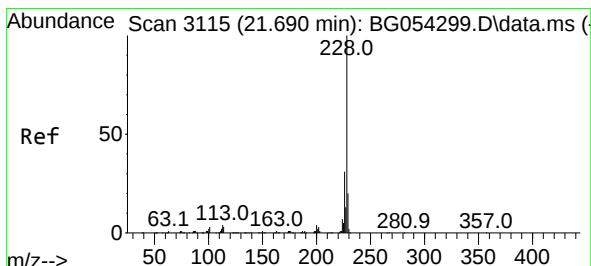
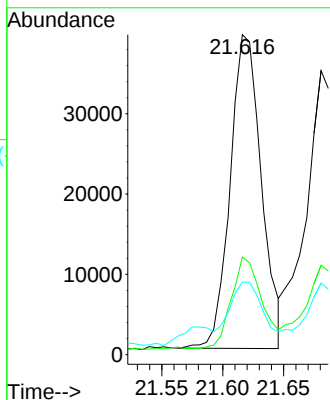
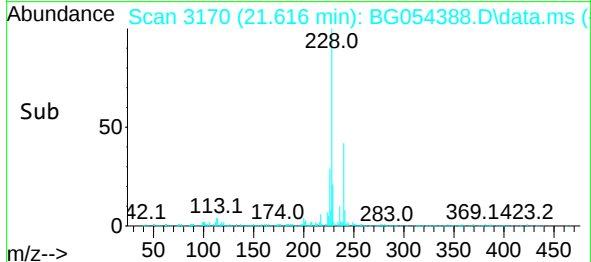
Instrument :
BNA_G
ClientSampleId :
EO-03-072222



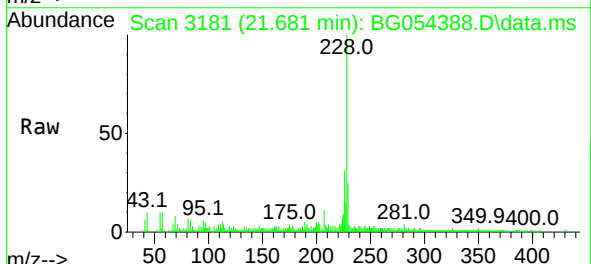
Tgt Ion:228 Resp: 69652
Ion Ratio Lower Upper
228 100
226 30.5 21.6 32.4
229 22.7 16.2 24.2

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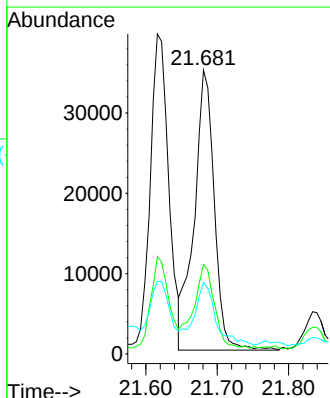
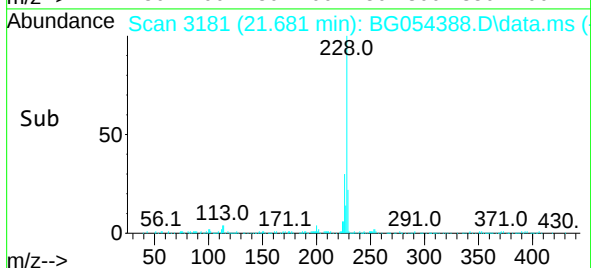
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

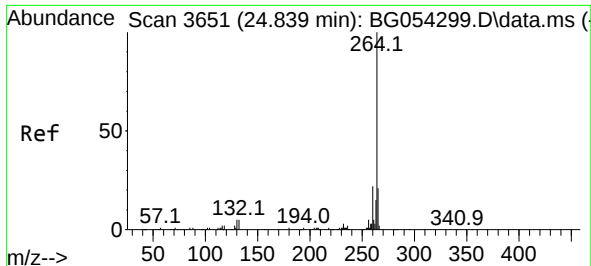


#83
Chrysene
Concen: 5.622 ng m
RT: 21.681 min Scan# 3181
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51



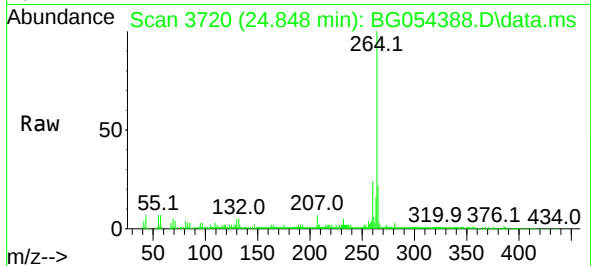
Tgt Ion:228 Resp: 68264
Ion Ratio Lower Upper
228 100
226 31.5 23.4 35.2
229 25.2 15.5 23.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.848 min Scan# 31
 Delta R.T. 0.009 min
 Lab File: BG054388.D
 Acq: 25 Jul 2022 20:51

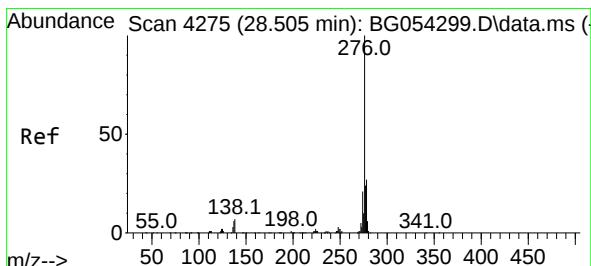
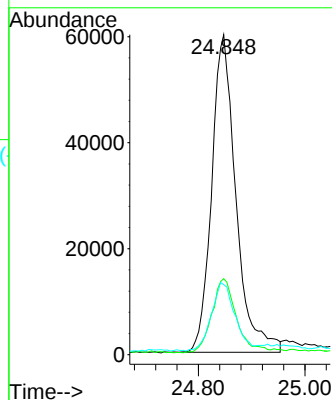
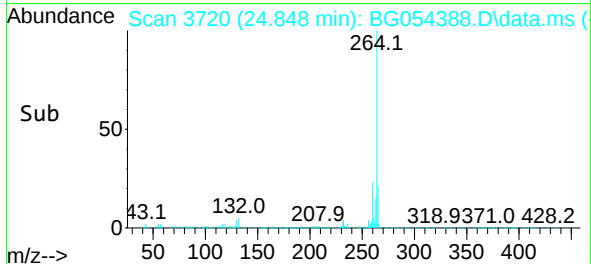
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-072222



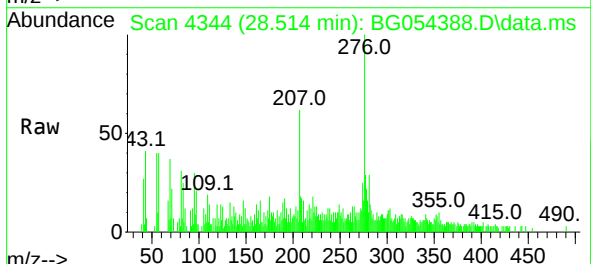
Tgt Ion:264 Resp: 189275
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 21.9 17.4 26.2

Manual Integrations
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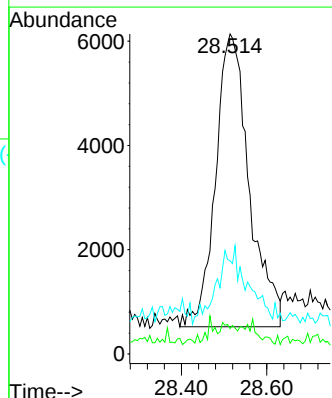
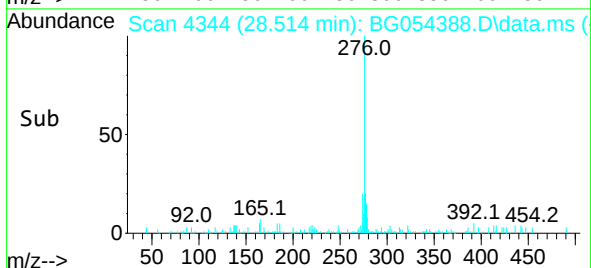
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

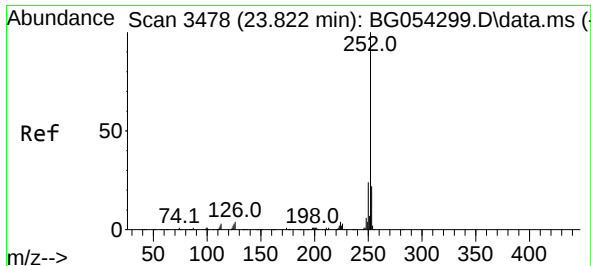


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.138 ng
 RT: 28.514 min Scan# 4344
 Delta R.T. 0.009 min
 Lab File: BG054388.D
 Acq: 25 Jul 2022 20:51



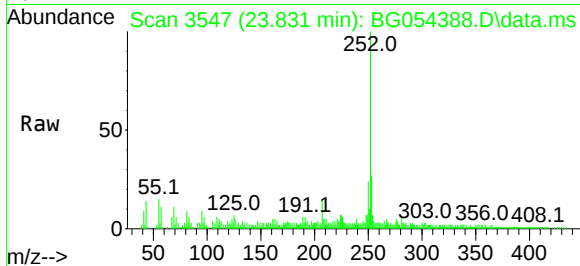
Tgt Ion:276 Resp: 30785
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.0 7.4#
 277 11.5 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 7.553 ng
RT: 23.831 min Scan# 31
Delta R.T. 0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

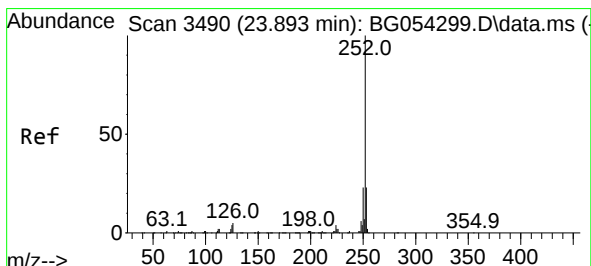
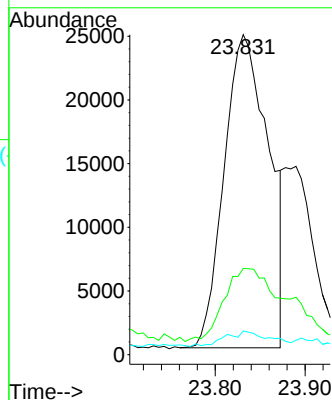
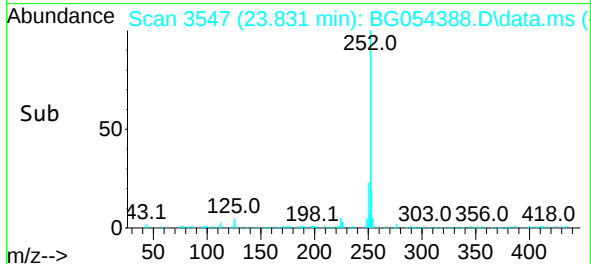
Instrument :
BNA_G
ClientSampleId :
EO-03-072222



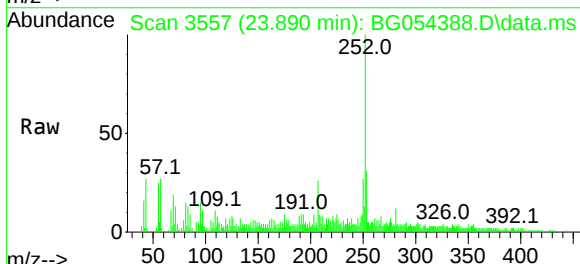
Tgt Ion:252 Resp: 84540
Ion Ratio Lower Upper
252 100
253 27.0 18.0 27.0
125 7.4 4.6 6.8

Manual Integrations
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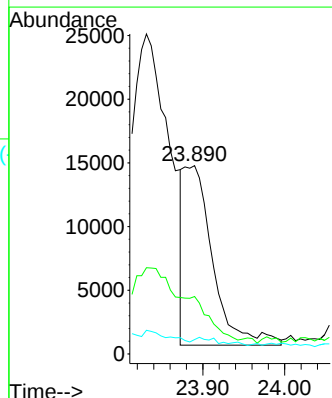
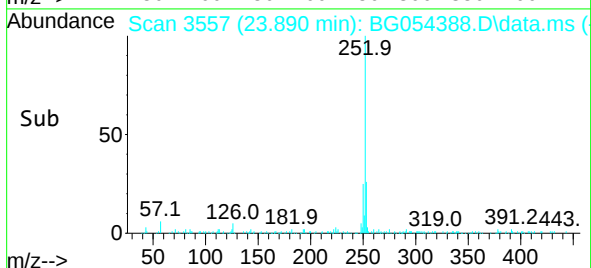
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

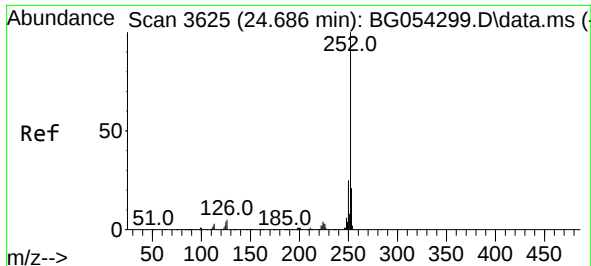


#89
Benzo(k)fluoranthene
Concen: 3.108 ng m
RT: 23.890 min Scan# 3557
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51



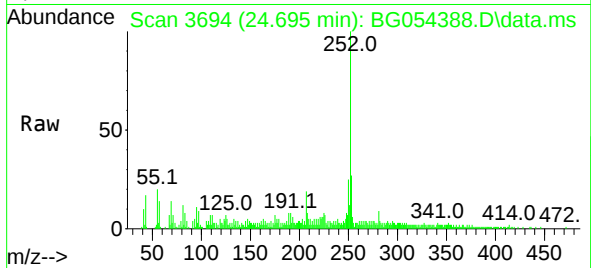
Tgt Ion:252 Resp: 34627
Ion Ratio Lower Upper
252 100
253 30.5 18.4 27.6#
125 7.7 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 6.328 ng
RT: 24.695 min Scan# 30
Delta R.T. 0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

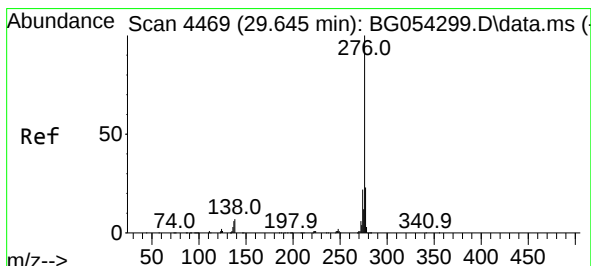
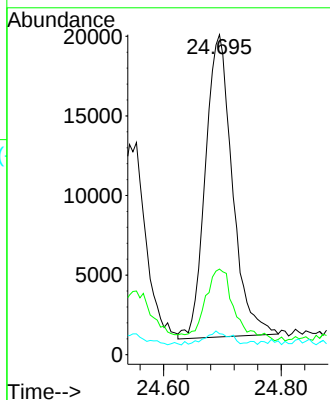
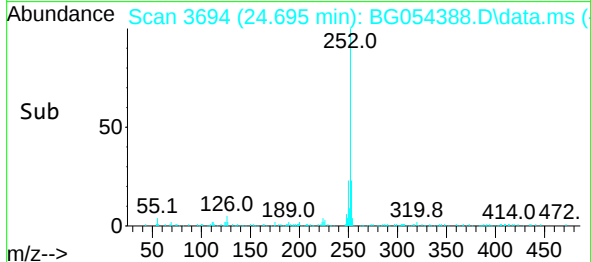
Instrument :
BNA_G
ClientSampleId :
EO-03-072222



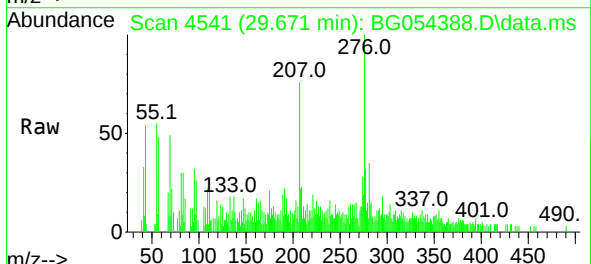
Tgt Ion:252 Resp: 60490
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.8
125 6.5 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#92
Benzo(g,h,i)perylene
Concen: 2.241 ng
RT: 29.671 min Scan# 4541
Delta R.T. 0.026 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51



Tgt Ion:276 Resp: 26193
Ion Ratio Lower Upper
276 100
277 32.1 17.3 25.9#
138 9.6 9.6 14.4

