

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054543.D
 Acq On : 5 Aug 2022 20:27
 Operator : CG/JU
 Sample : N3963-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-217

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/08/2022
 Supervised By : Jagrut Upadhyay 08/08/2022

Quant Time: Aug 06 05:40:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.972	152	18678	20.000	ng	-0.02
21) Naphthalene-d8	10.787	136	72401	20.000	ng	#-0.01
39) Acenaphthene-d10	14.618	164	54389	20.000	ng	0.00
64) Phenanthrene-d10	17.361	188	128814	20.000	ng	#-0.01
76) Chrysene-d12	21.627	240	139801	20.000	ng	#-0.01
86) Perylene-d12	24.841	264	138821	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	106794	119.378	ng	0.00
7) Phenol-d6	7.179	99	144654	118.007	ng	0.00
23) Nitrobenzene-d5	9.142	82	96930	72.907	ng	-0.01
42) 2,4,6-Tribromophenol	16.116	330	117960	103.295	ng	0.00
45) 2-Fluorobiphenyl	13.237	172	288493	74.827	ng	-0.01
79) Terphenyl-d14	19.970	244	511048	72.519	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.408	178	25887	4.035	ng	96
75) Fluoranthene	19.418	202	73291	8.381	ng	97
78) Pyrene	19.782	202	90616	11.296	ng	100
81) Benzo(a)anthracene	21.609	228	53220	5.997	ng	98
83) Chrysene	21.674	228	69075m	8.239	ng	
87) Indeno(1,2,3-cd)pyrene	28.519	276	37065	3.510	ng	# 89
88) Benzo(b)fluoranthene	23.819	252	92285	11.241	ng	97
89) Benzo(k)fluoranthene	23.871	252	31141m	3.811	ng	
90) Benzo(a)pyrene	24.682	252	60491	8.628	ng	98
92) Benzo(g,h,i)perylene	29.665	276	36091	4.211	ng	94

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

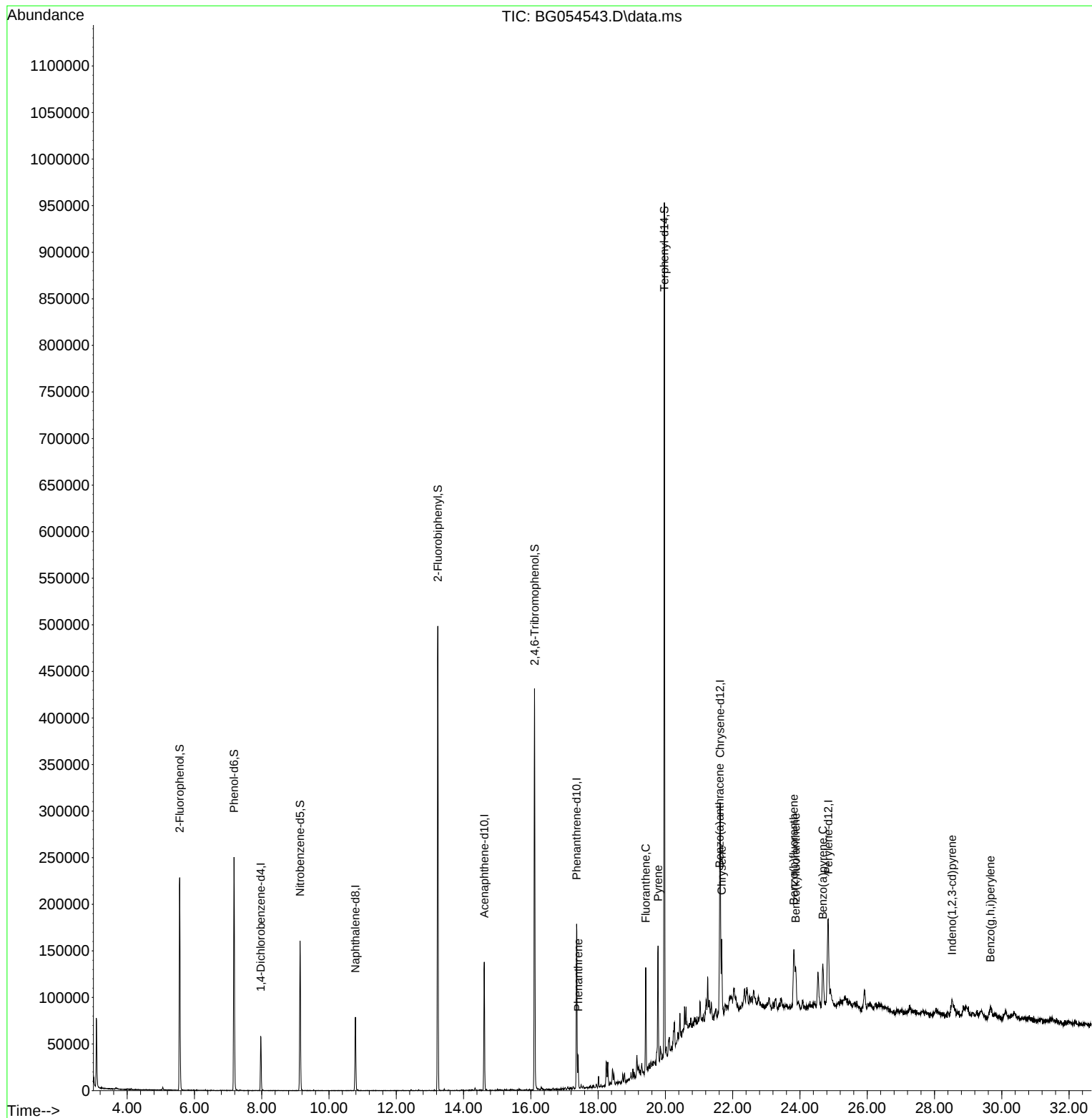
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
Data File : BG054543.D
Acq On : 5 Aug 2022 20:27
Operator : CG/JU
Sample : N3963-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

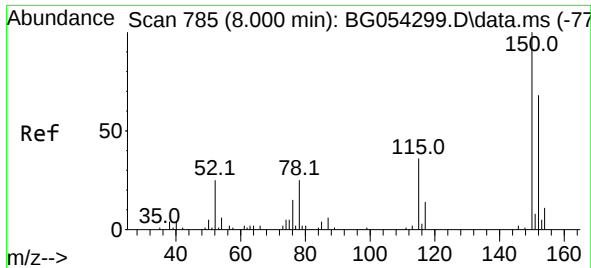
Instrument :
BNA_G
ClientSampleId :
RVE-217

Quant Time: Aug 06 05:40:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

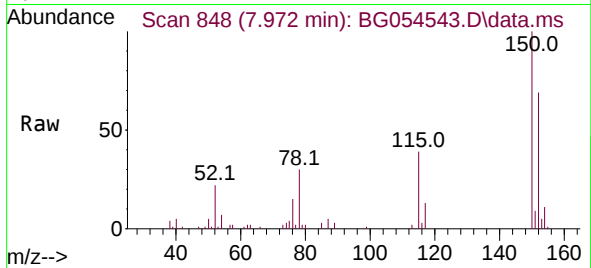
Reviewed By : Christian Giraldo 08/08/2022
Supervised By : Jagrut Upadhyay 08/08/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.972 min Scan# 84
 Delta R.T. -0.016 min
 Lab File: BG054543.D
 Acq: 5 Aug 2022 20:27

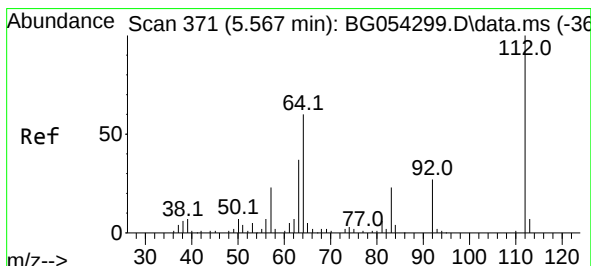
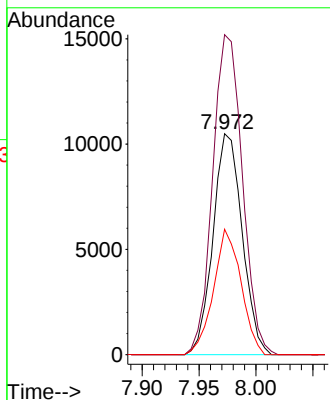
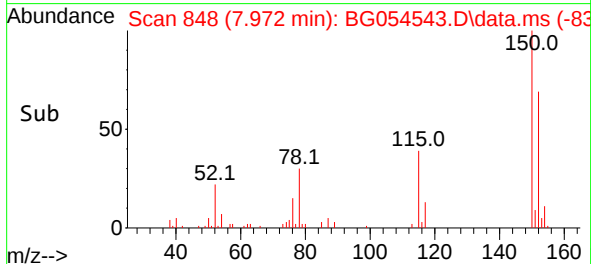
Instrument :
 BNA_G
 ClientSampleId :
 RVE-217



Tgt Ion:152 Resp: 18678
 Ion Ratio Lower Upper
 152 100
 150 144.8 131.6 197.4
 115 56.7 50.9 76.3

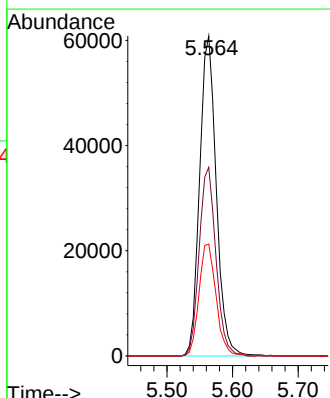
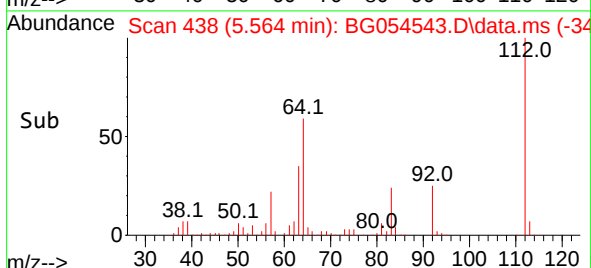
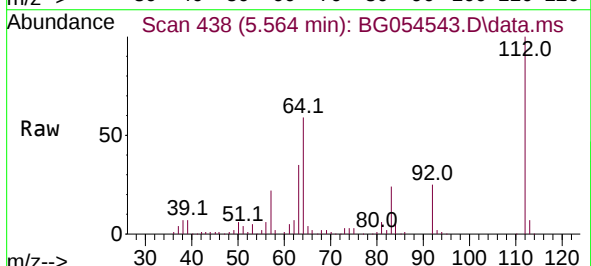
Manual Integrations
 APPROVED

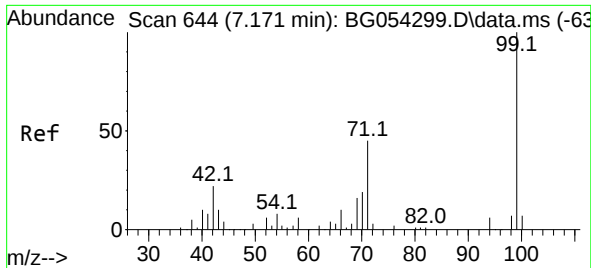
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022



#5
 2-Fluorophenol
 Concen: 119.378 ng
 RT: 5.564 min Scan# 438
 Delta R.T. 0.002 min
 Lab File: BG054543.D
 Acq: 5 Aug 2022 20:27

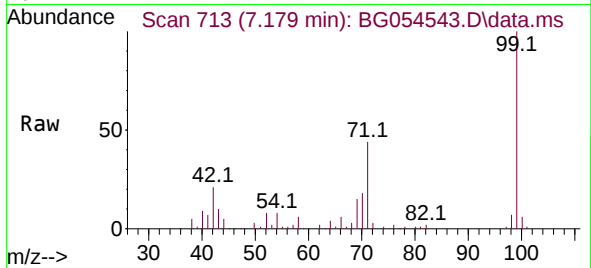
Tgt Ion:112 Resp: 106794
 Ion Ratio Lower Upper
 112 100
 64 58.9 55.1 82.7
 63 34.9 30.4 45.6





#7
Phenol-d6
Concen: 118.007 ng
RT: 7.179 min Scan# 71
Delta R.T. 0.008 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

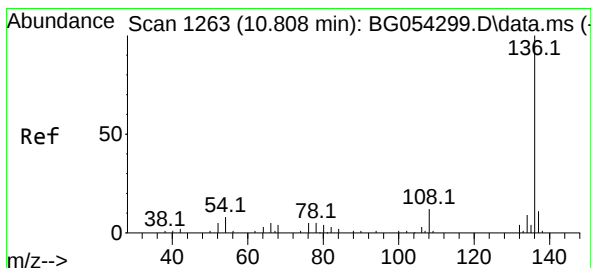
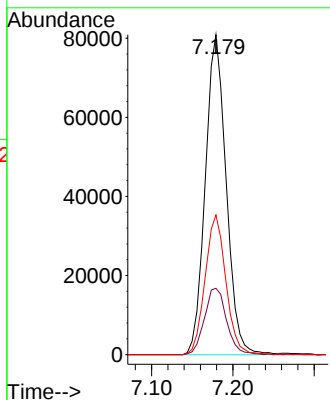
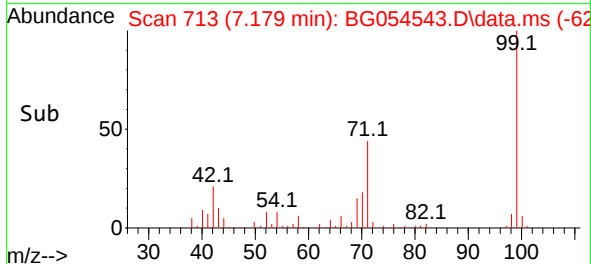
Instrument :
BNA_G
ClientSampleId :
RVE-217



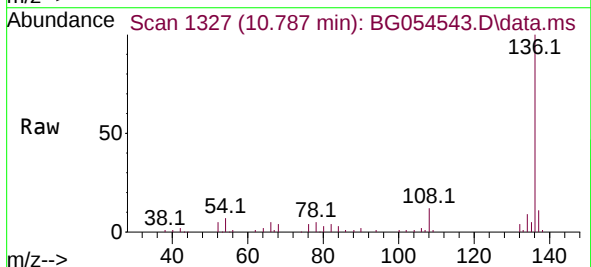
Tgt Ion: 99 Resp: 144654
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 43.6 33.8 50.8

Manual Integrations
APPROVED

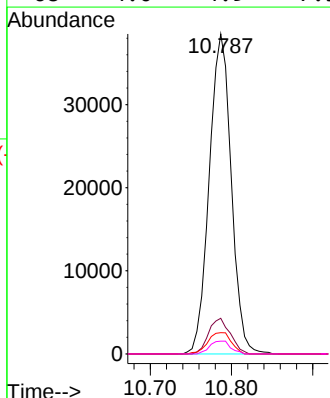
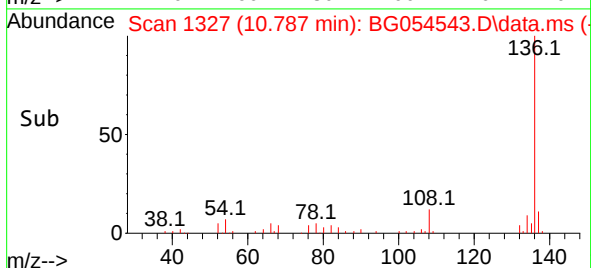
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 1327
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27



Tgt Ion:136 Resp: 72401
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 6.6 7.4 11.2#
68 4.0 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 72.907 ng
RT: 9.142 min Scan# 1047
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Instrument :

BNA_G

ClientSampleId :

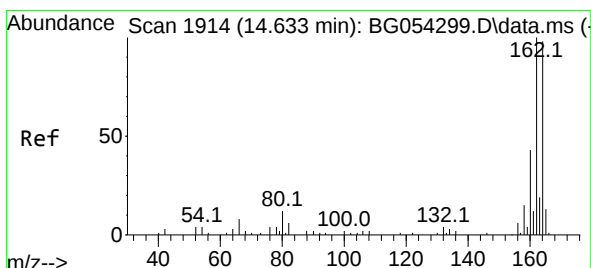
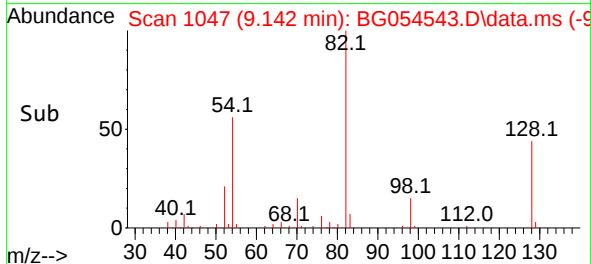
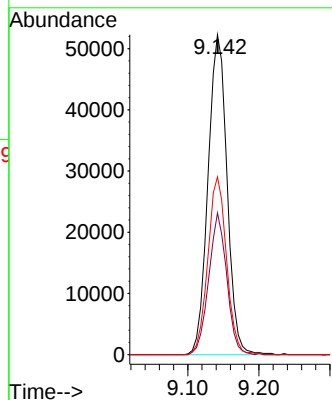
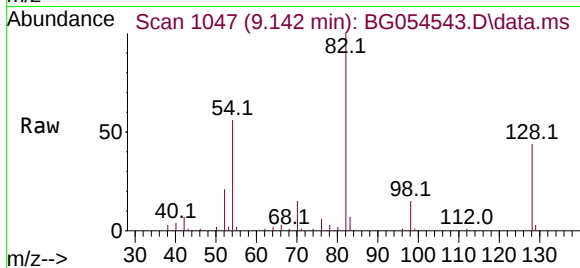
RVE-217

Tgt Ion: 82 Resp: 96930
Ion Ratio Lower Upper
82 100
128 44.3 27.9 41.9
54 55.5 41.2 61.8

Manual Integrations

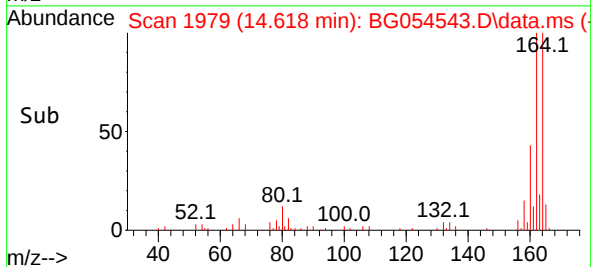
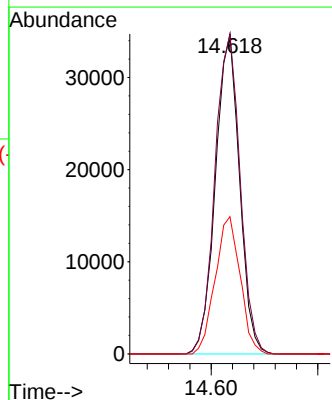
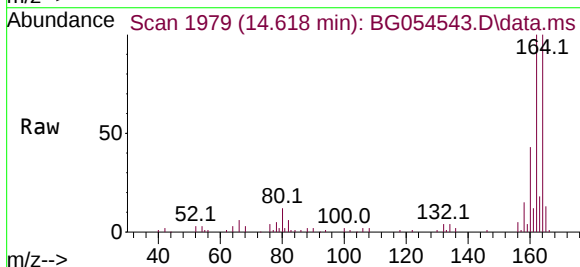
APPROVED

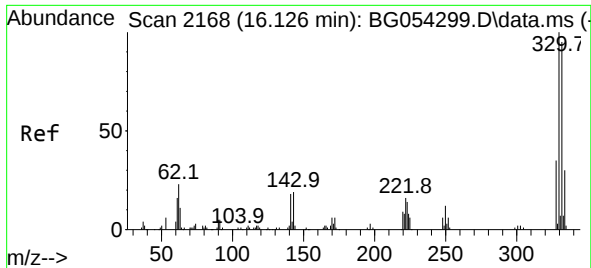
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.618 min Scan# 1979
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

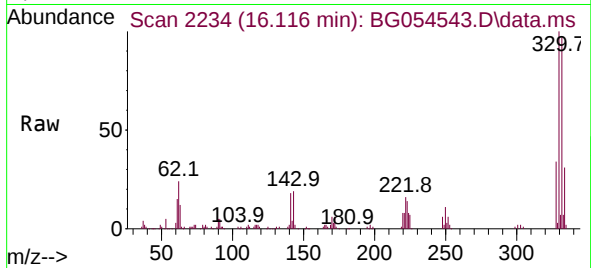
Tgt Ion:164 Resp: 54389
Ion Ratio Lower Upper
164 100
162 100.1 82.3 123.5
160 42.9 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 103.295 ng
RT: 16.116 min Scan# 2168
Delta R.T. 0.002 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

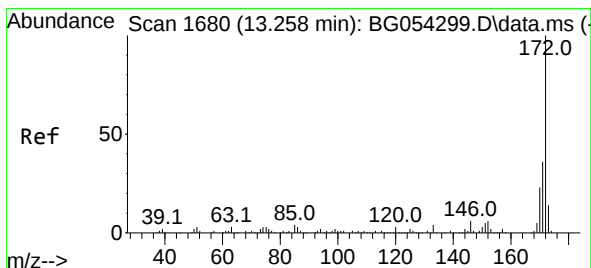
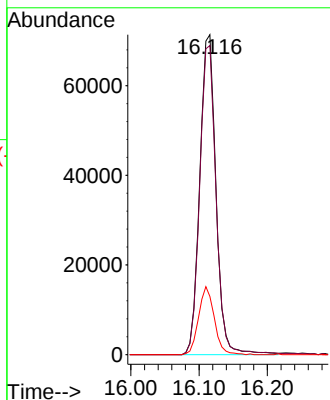
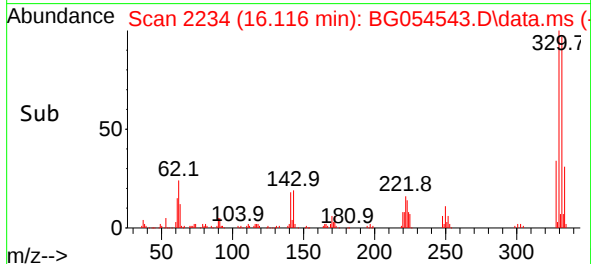
Instrument :
BNA_G
ClientSampleId :
RVE-217



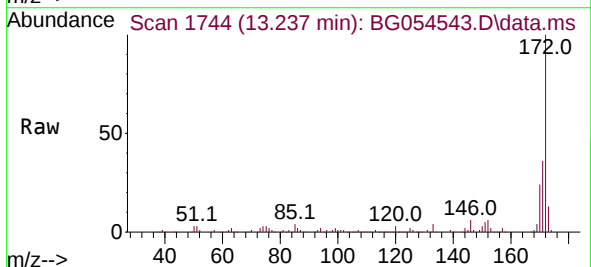
Tgt Ion:330 Resp: 117960
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 20.5 27.1 40.7

Manual Integrations
APPROVED

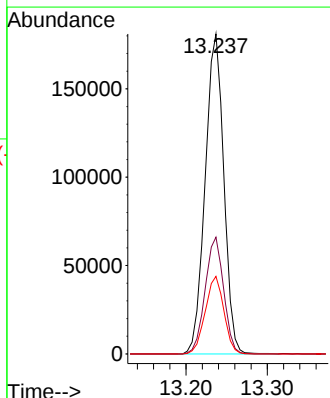
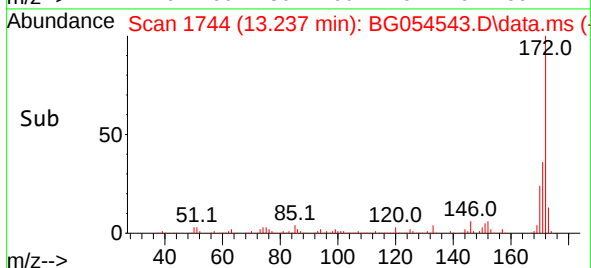
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

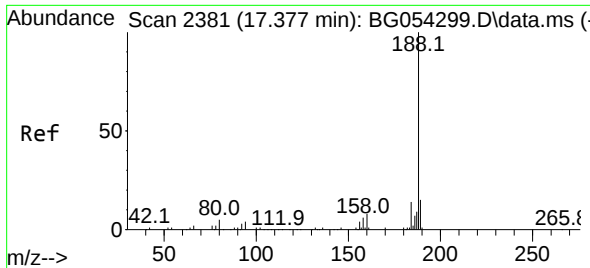


#45
2-Fluorobiphenyl
Concen: 74.827 ng
RT: 13.237 min Scan# 1744
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27



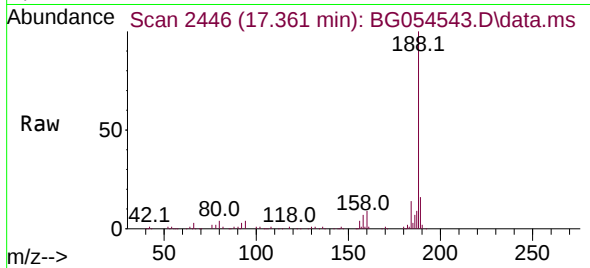
Tgt Ion:172 Resp: 288493
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 24.2 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.361 min Scan# 2446
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

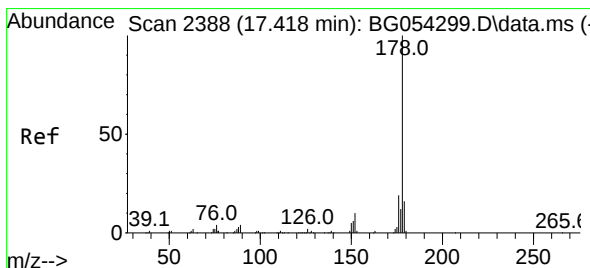
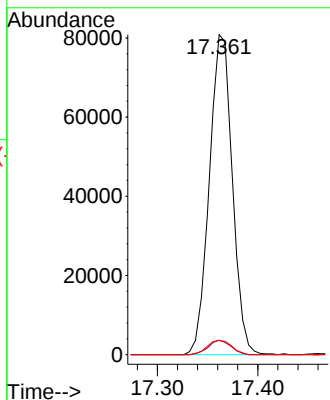
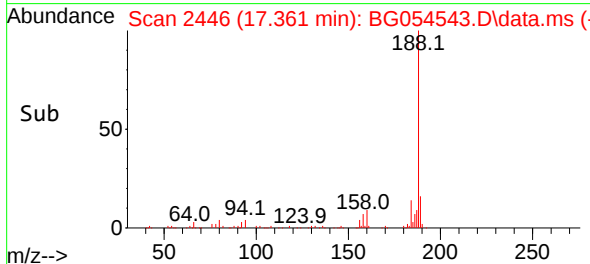
Instrument :
BNA_G
ClientSampleId :
RVE-217



Tgt Ion:188 Resp: 128814
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0
80 4.5 6.8 10.2

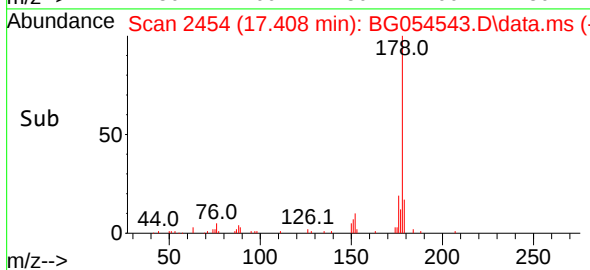
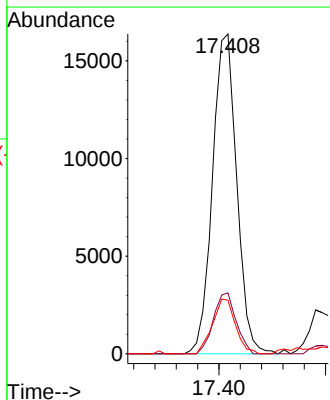
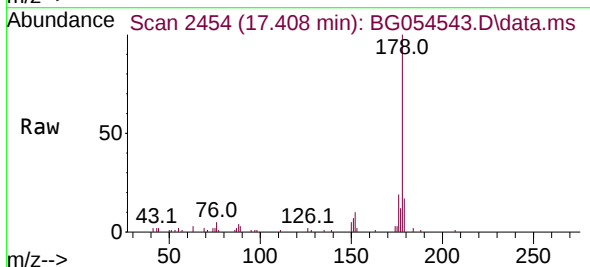
Manual Integrations
APPROVED

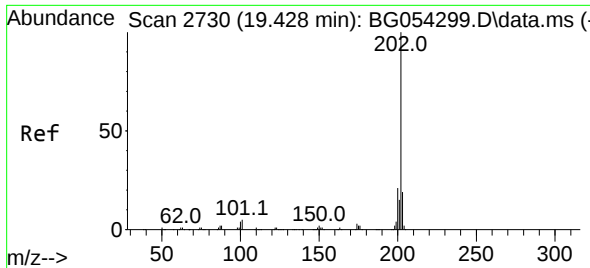
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#71
Phenanthrene
Concen: 4.035 ng
RT: 17.408 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

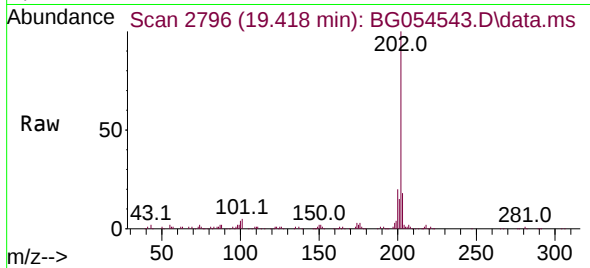
Tgt Ion:178 Resp: 25887
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 16.8 12.1 18.1





#75
Fluoranthene
Concen: 8.381 ng
RT: 19.418 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

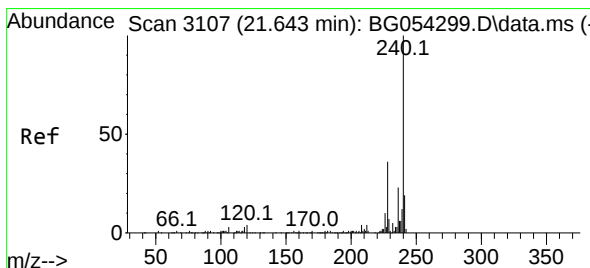
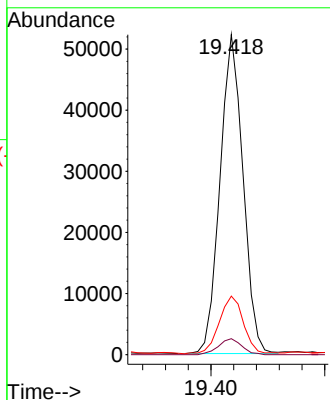
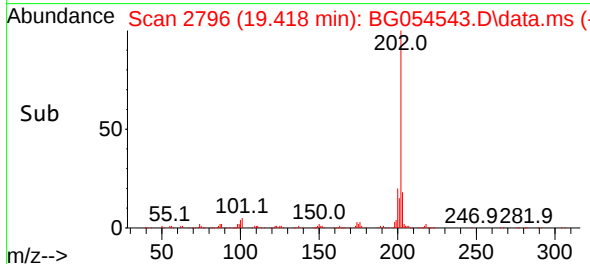
Instrument :
BNA_G
ClientSampleId :
RVE-217



Tgt Ion:202 Resp: 73291
Ion Ratio Lower Upper
202 100
101 5.0 0.0 26.9
203 18.3 0.0 37.2

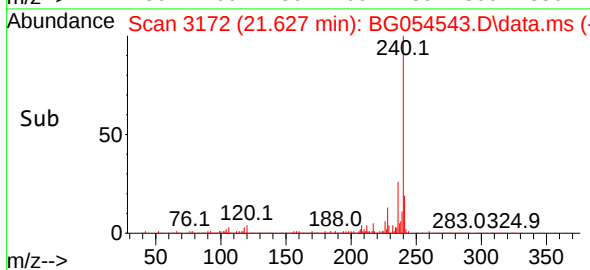
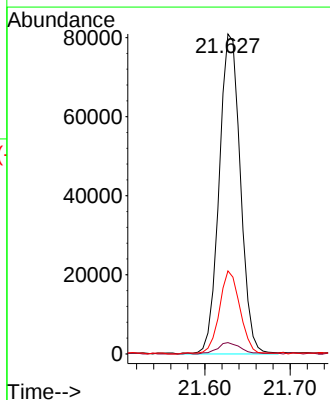
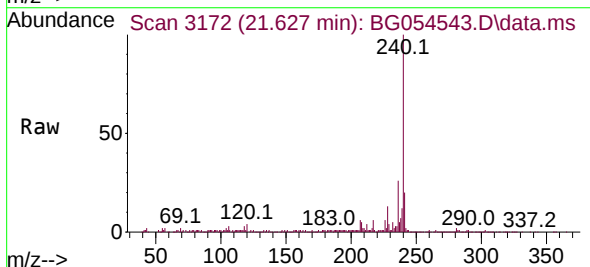
Manual Integrations
APPROVED

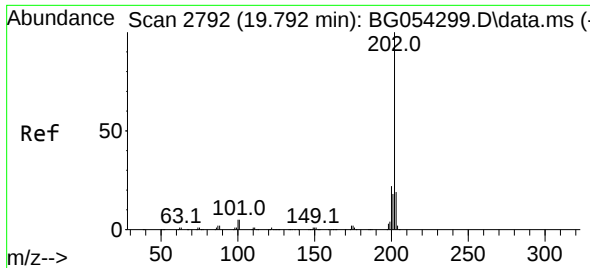
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3172
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion:240 Resp: 139801
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 25.9 20.2 30.4





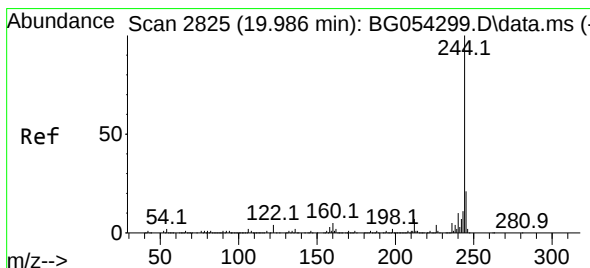
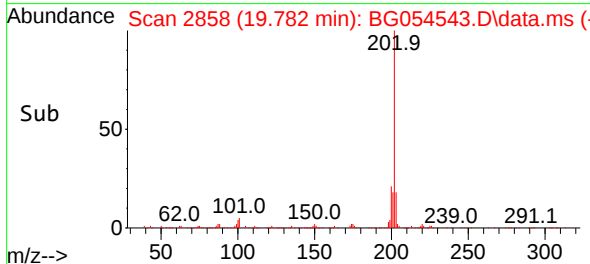
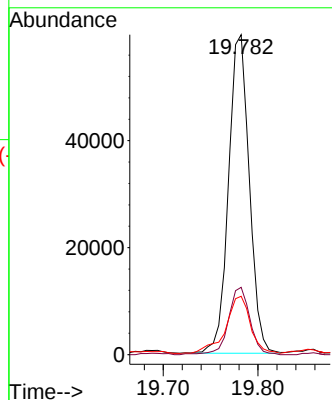
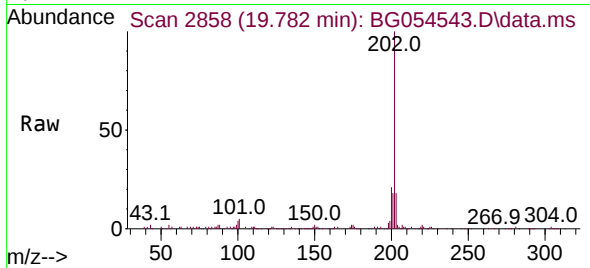
#78
Pyrene
Concen: 11.296 ng
RT: 19.782 min Scan# 2858
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Instrument :
BNA_G
ClientSampleId :
RVE-217

Tgt Ion:202 Resp: 90616
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 18.2 14.6 21.8

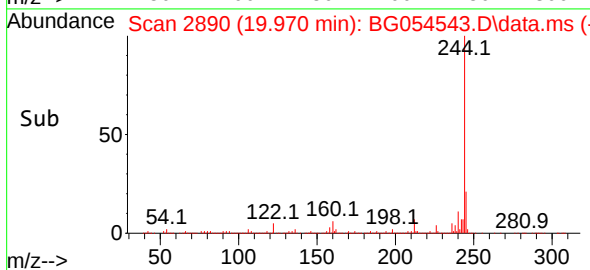
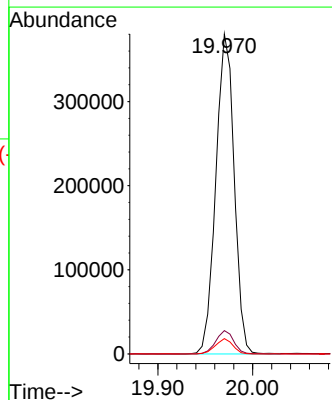
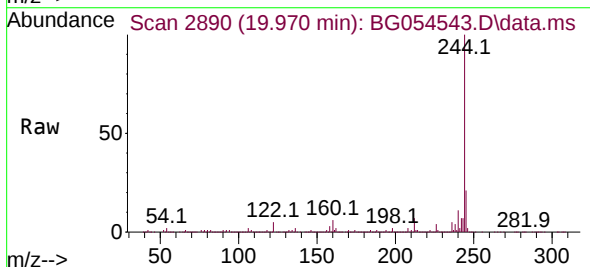
Manual Integrations
APPROVED

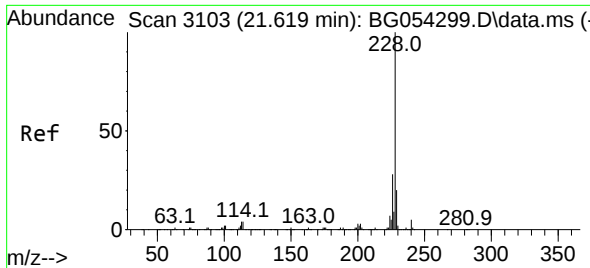
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#79
Terphenyl-d14
Concen: 72.519 ng
RT: 19.970 min Scan# 2890
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

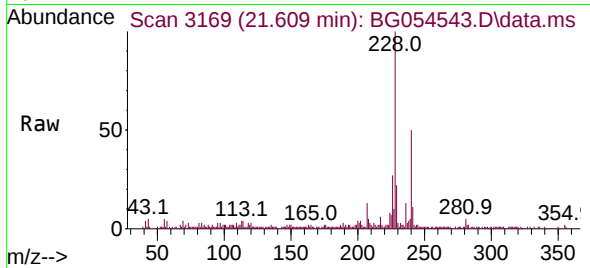
Tgt Ion:244 Resp: 511048
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 4.8 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 5.997 ng
RT: 21.609 min Scan# 3103
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

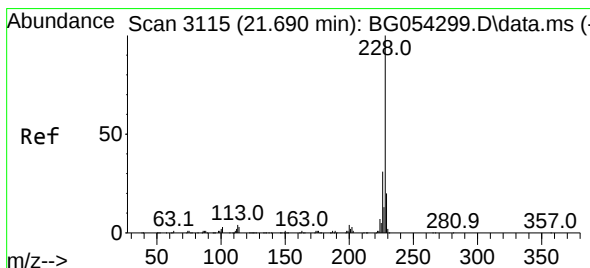
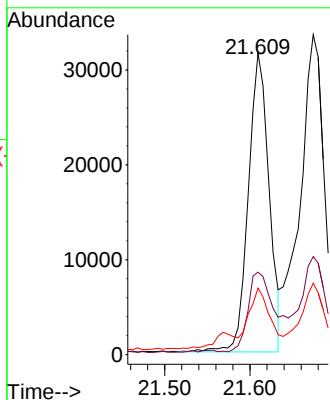
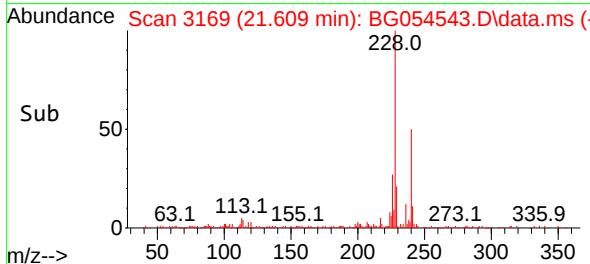
Instrument :
BNA_G
ClientSampleId :
RVE-217



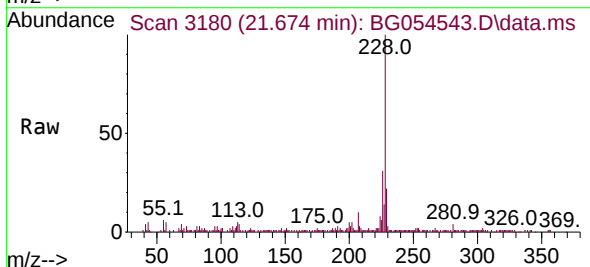
Tgt Ion:228 Resp: 53220
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 22.1 16.2 24.2

Manual Integrations
APPROVED

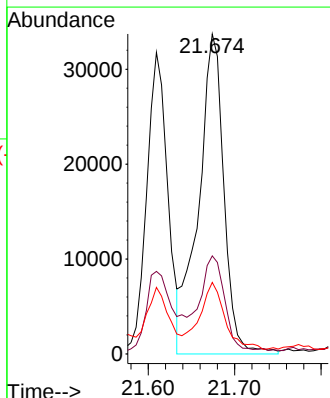
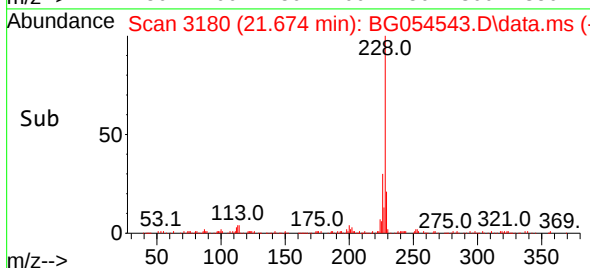
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

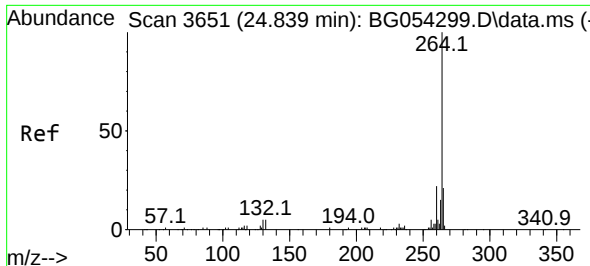


#83
Chrysene
Concen: 8.239 ng m
RT: 21.674 min Scan# 3180
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27



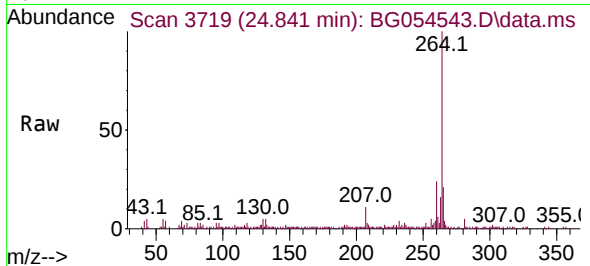
Tgt Ion:228 Resp: 69075
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 22.3 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.841 min Scan# 31
 Delta R.T. 0.008 min
 Lab File: BG054543.D
 Acq: 5 Aug 2022 20:27

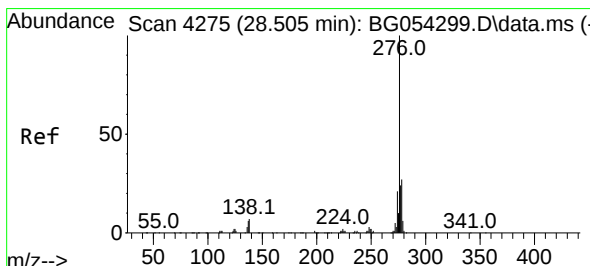
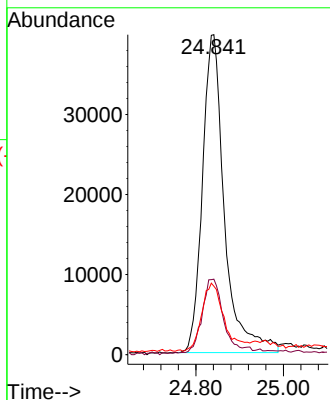
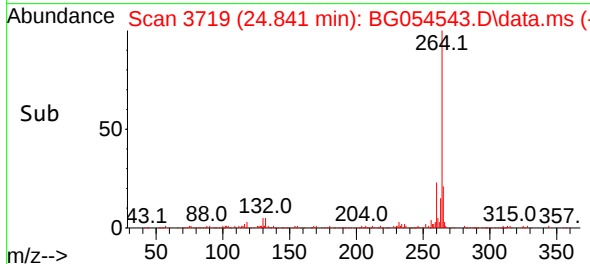
Instrument :
 BNA_G
 ClientSampleId :
 RVE-217



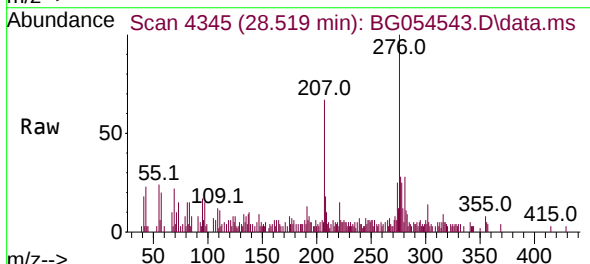
Tgt Ion:264 Resp: 138821
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 21.4 17.4 26.2

Manual Integrations
 APPROVED

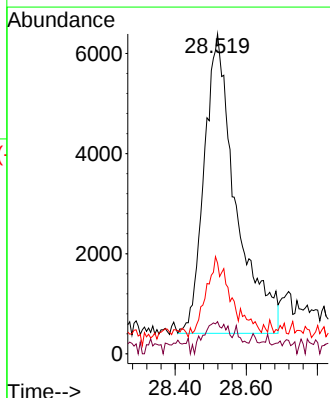
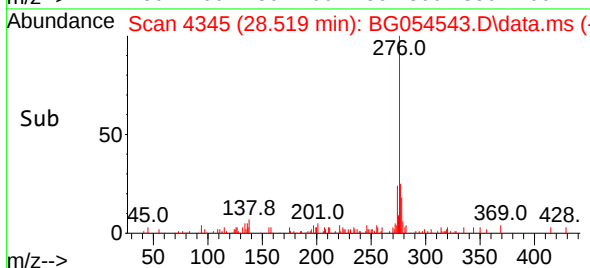
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022

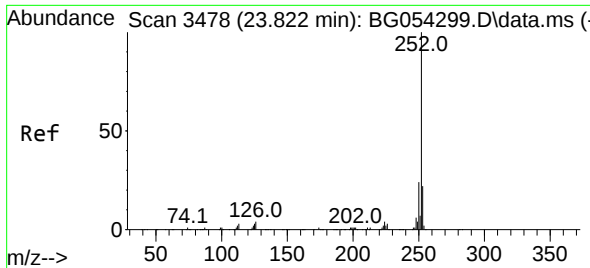


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.510 ng
 RT: 28.519 min Scan# 4345
 Delta R.T. 0.002 min
 Lab File: BG054543.D
 Acq: 5 Aug 2022 20:27



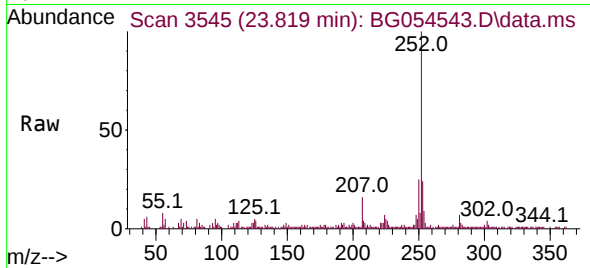
Tgt Ion:276 Resp: 37065
 Ion Ratio Lower Upper
 276 100
 138 5.9 5.0 7.4
 277 18.7 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 11.241 ng
RT: 23.819 min Scan# 3545
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

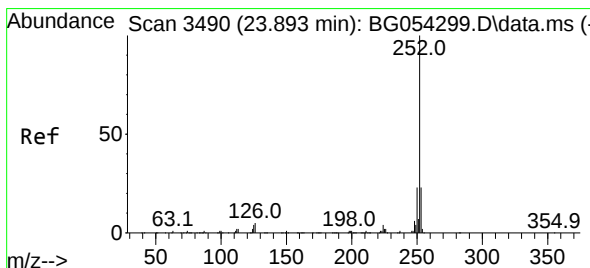
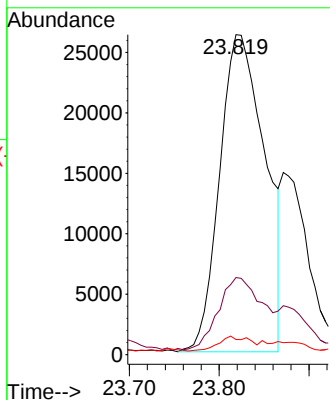
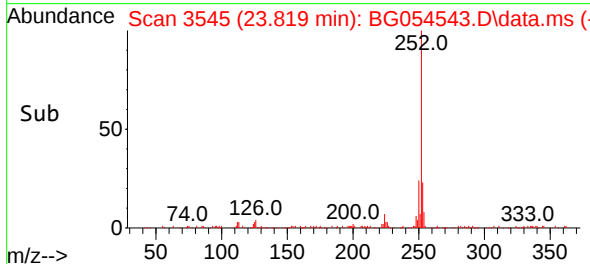
Instrument :
BNA_G
ClientSampleId :
RVE-217



Tgt Ion:252 Resp: 92285
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 4.7 4.6 6.8

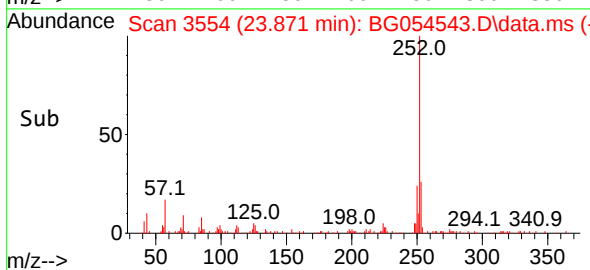
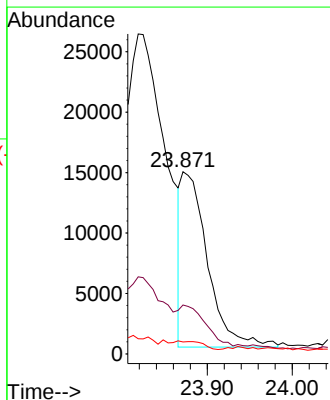
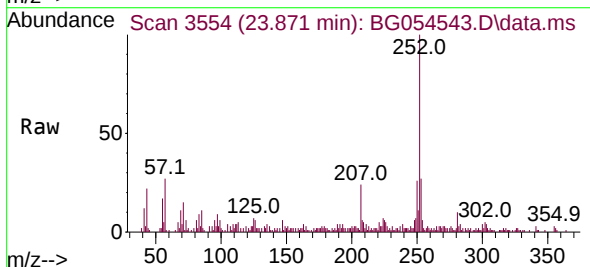
Manual Integrations
APPROVED

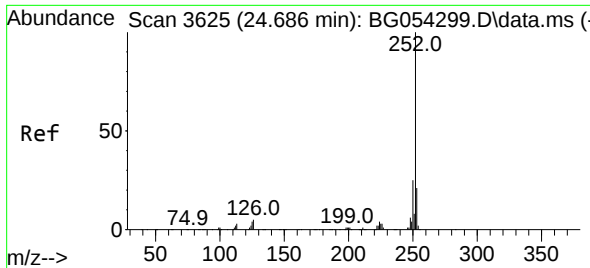
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#89
Benzo(k)fluoranthene
Concen: 3.811 ng m
RT: 23.871 min Scan# 3554
Delta R.T. -0.016 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

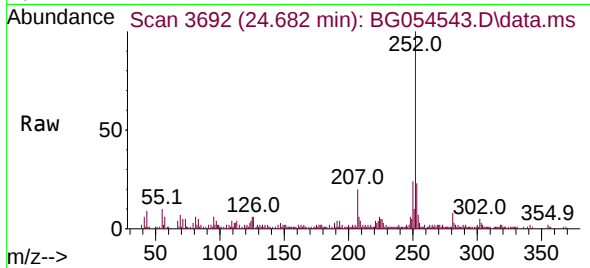
Tgt Ion:252 Resp: 31141
Ion Ratio Lower Upper
252 100
253 26.8 18.4 27.6
125 6.5 4.8 7.2





#90
Benzo(a)pyrene
Concen: 8.628 ng
RT: 24.682 min Scan# 30
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

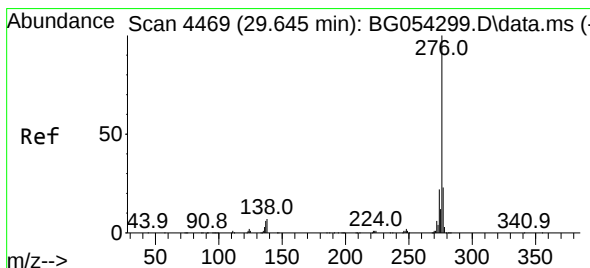
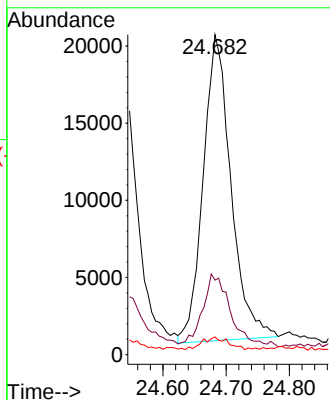
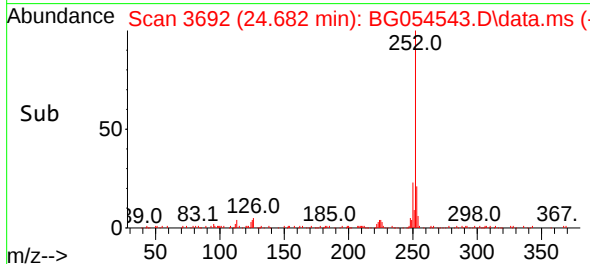
Instrument :
BNA_G
ClientSampleId :
RVE-217



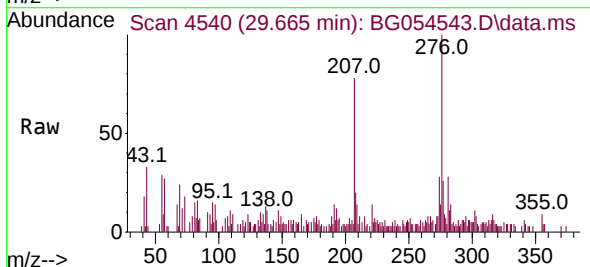
Tgt Ion:252 Resp: 60491
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 5.5 4.3 6.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#92
Benzo(g,h,i)perylene
Concen: 4.211 ng
RT: 29.665 min Scan# 4540
Delta R.T. 0.002 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27



Tgt Ion:276 Resp: 36091
Ion Ratio Lower Upper
276 100
277 25.5 17.3 25.9
138 11.0 9.6 14.4

