

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054385.D
 Acq On : 25 Jul 2022 18:42
 Operator : CG/JU
 Sample : N3830-03RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HS-SOIL-0721RE

Manual Integrations
 APPROVED

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

Quant Time: Jul 26 00:55:30 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

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.988	152	22846	20.000	ng	-0.01	
21) Naphthalene-d8	10.797	136	88306	20.000	ng	#-0.01	
39) Acenaphthene-d10	14.627	164	66948	20.000	ng	0.00	
64) Phenanthrene-d10	17.365	188	160283	20.000	ng	#-0.01	
76) Chrysene-d12	21.637	240	176808	20.000	ng	# 0.00	
86) Perylene-d12	24.839	264	190207	20.000	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.567	112	35907	32.815	ng	0.00	
7) Phenol-d6	7.171	99	49272	32.862	ng	0.00	
23) Nitrobenzene-d5	9.151	82	32370	19.962	ng	-0.01	
42) 2,4,6-Tribromophenol	16.114	330	43944	31.262	ng	-0.01	
45) 2-Fluorobiphenyl	13.247	172	105318	22.192	ng	-0.01	
79) Terphenyl-d14	19.980	244	210215	23.586	ng	0.00	
Target Compounds							
							Qvalue
71) Phenanthrene	17.412	178	72095	9.032	ng		98
75) Fluoranthene	19.422	202	156816	14.412	ng		96
78) Pyrene	19.786	202	156096	15.386	ng		96
81) Benzo(a)anthracene	21.613	228	101601	9.052	ng		96
83) Chrysene	21.678	228	105672	9.966	ng		97
84) Bis(2-ethylhexyl)phtha...	21.513	149	17282	3.863	ng	#	95
87) Indeno(1,2,3-cd)pyrene	28.505	276	64278	4.442	ng		97
88) Benzo(b)fluoranthene	23.823	252	191738	17.045	ng	#	97
89) Benzo(k)fluoranthene	23.881	252	55736m	4.979	ng		
90) Benzo(a)pyrene	24.686	252	115044	11.976	ng		99
92) Benzo(g,h,i)perylene	29.657	276	60422	5.145	ng	#	95

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

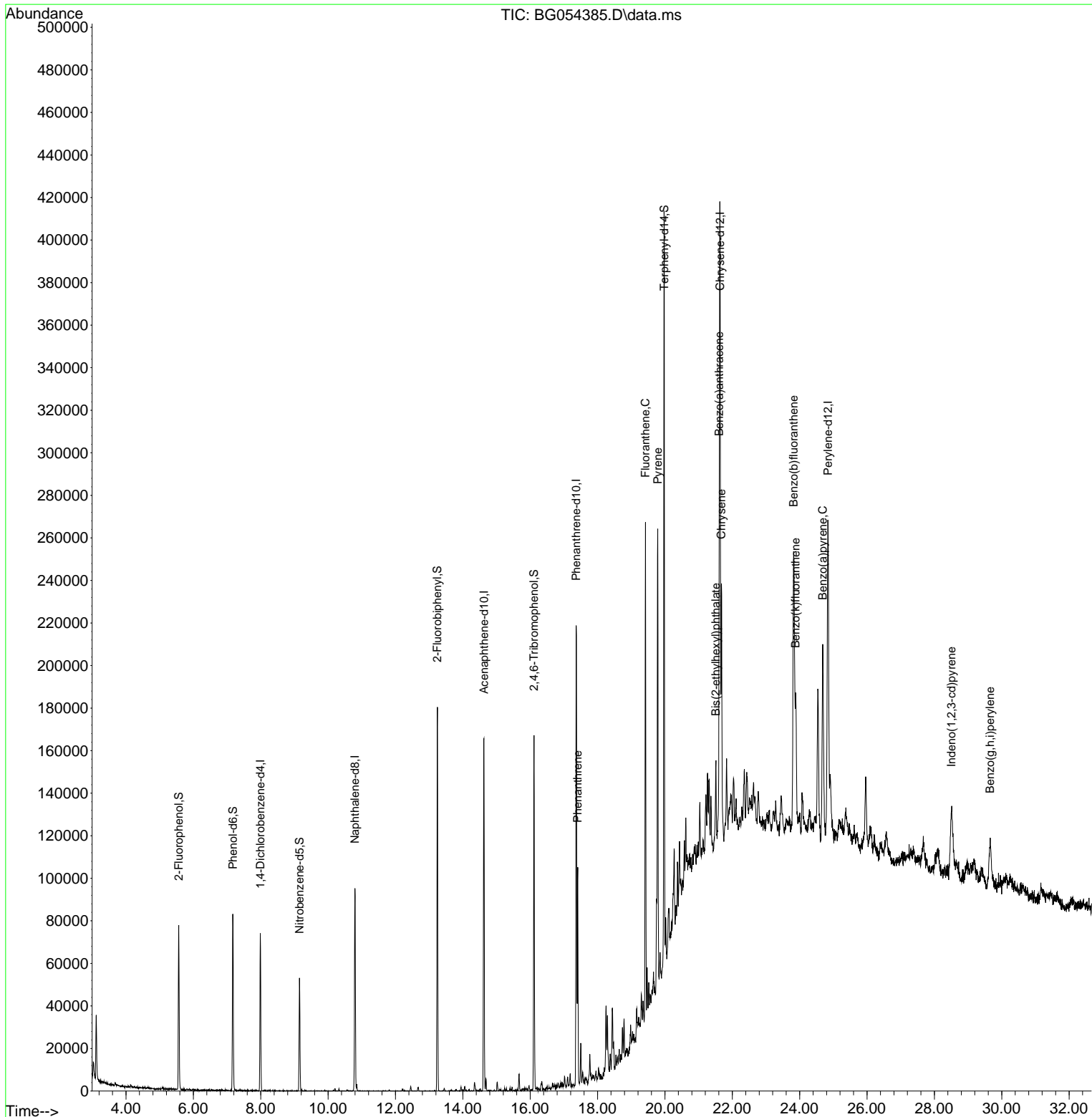
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
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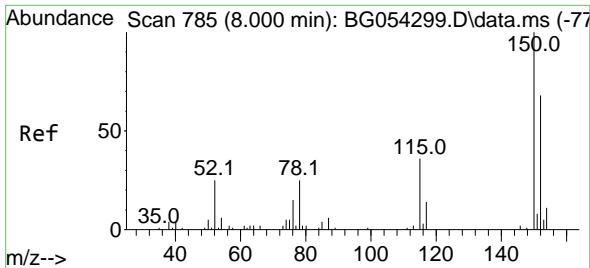
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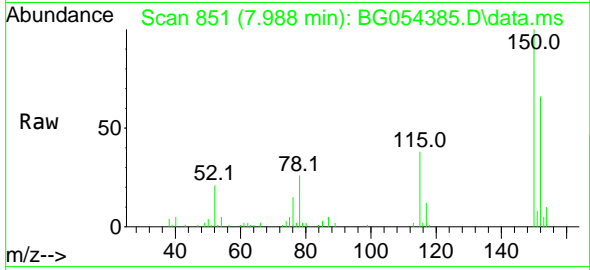
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.988 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

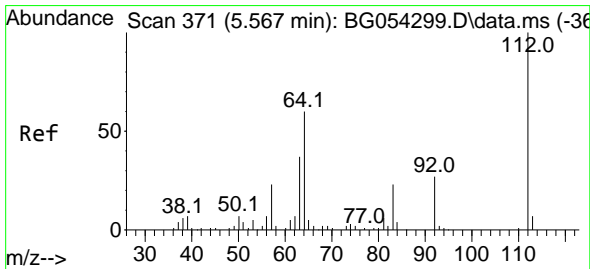
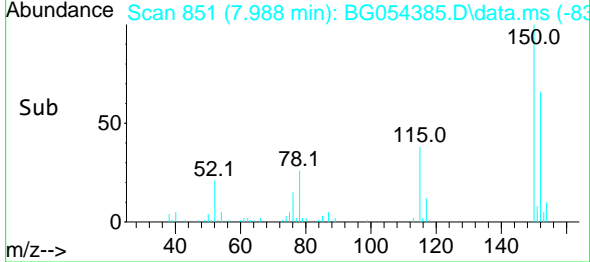
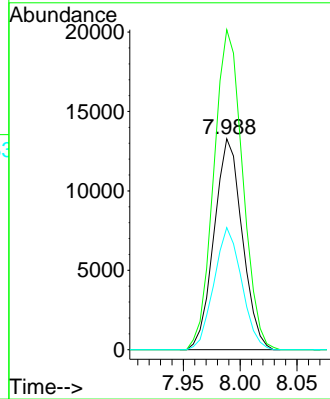
Instrument : BNA_G
 ClientSampleId : HS-SOIL-0721RE



Tgt Ion:152 Resp: 2284
 Ion Ratio Lower Upper
 152 100
 150 151.8 131.6 197.4
 115 57.9 50.9 76.3

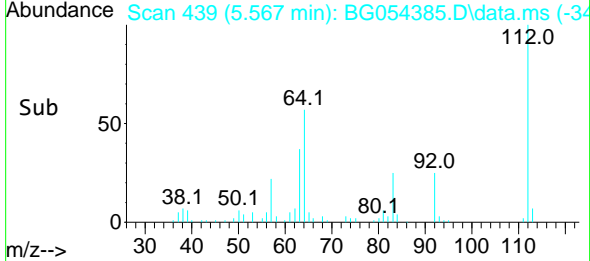
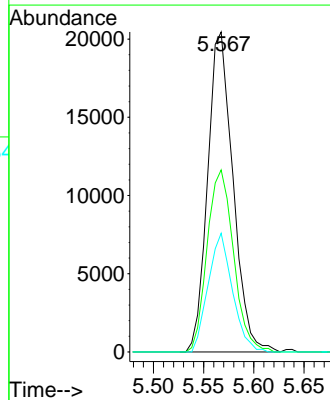
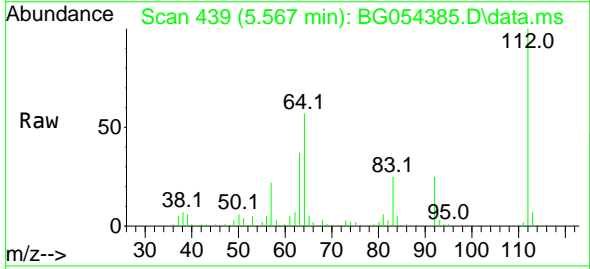
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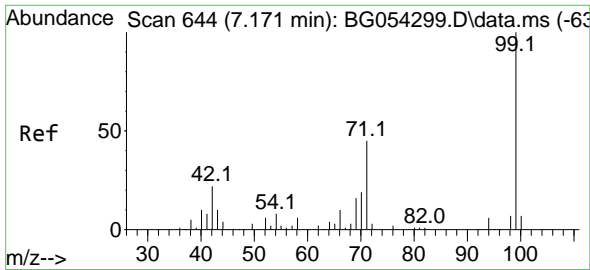
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 Supervised By :Jagrut Upadhyay 07/26/2022



#5
 2-Fluorophenol
 Concen: 32.815 ng
 RT: 5.567 min Scan# 439
 Delta R.T. 0.000 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

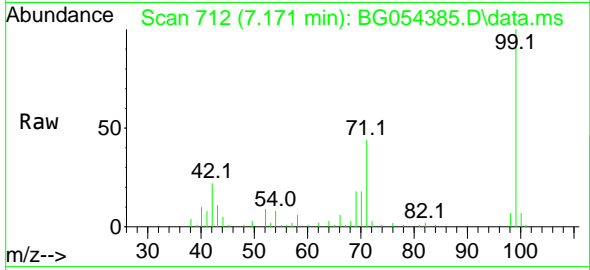
Tgt Ion:112 Resp: 35907
 Ion Ratio Lower Upper
 112 100
 64 56.9 55.1 82.7
 63 37.1 30.4 45.6





#7
 Phenol-d6
 Concen: 32.862 ng
 RT: 7.171 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

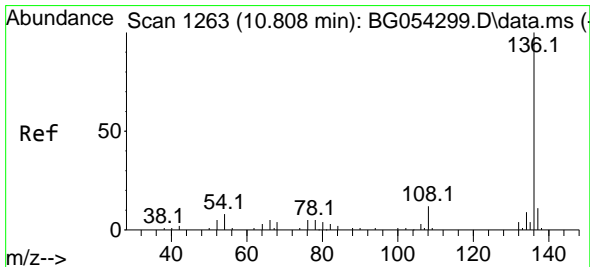
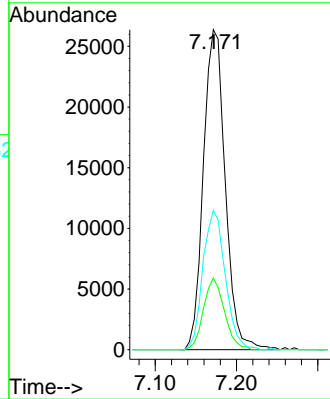
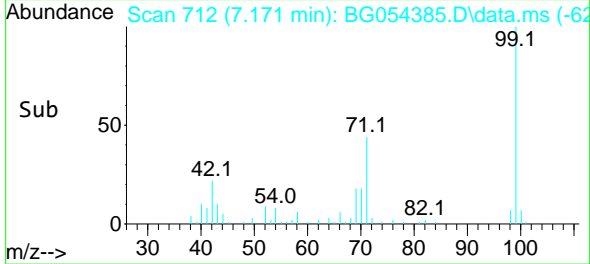
Instrument : BNA_G
 Client Sample Id : HS-SOIL-0721RE



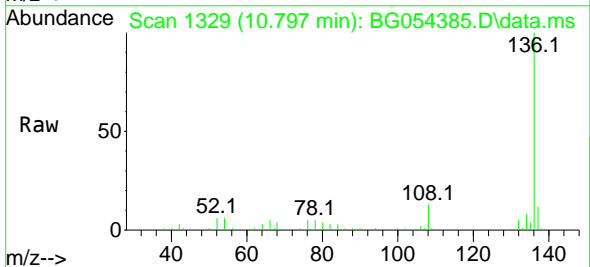
Tgt Ion: 99 Resp: 49272
 Ion Ratio Lower Upper
 99 100
 42 22.4 17.0 25.6
 71 43.6 33.8 50.8

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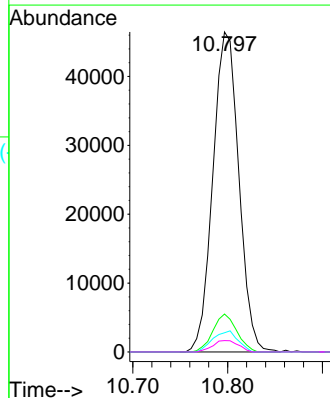
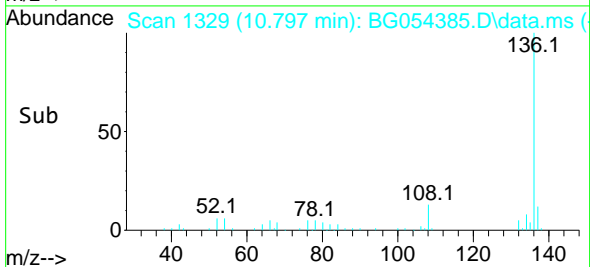
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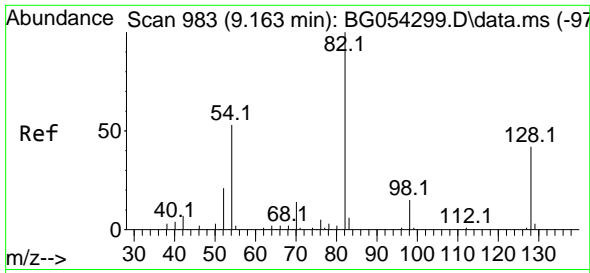


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.797 min Scan# 1329
 Delta R.T. -0.011 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



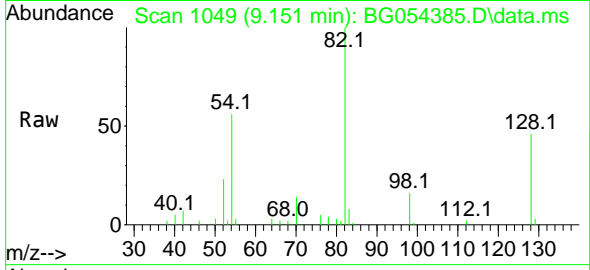
Tgt Ion: 136 Resp: 88306
 Ion Ratio Lower Upper
 136 100
 137 11.9 8.5 12.7
 54 6.0 7.4 11.2#
 68 3.6 4.9 7.3#





#23
 Nitrobenzene-d5
 Concen: 19.962 ng
 RT: 9.151 min Scan# 1049
 Delta R.T. -0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

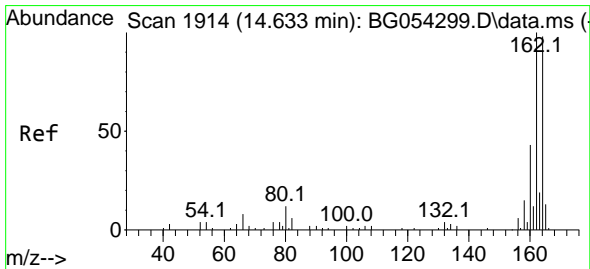
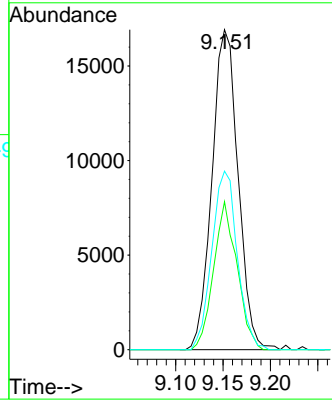
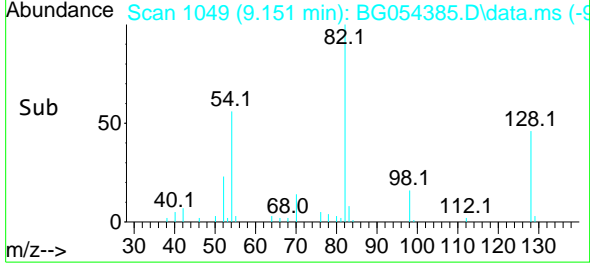
Instrument :
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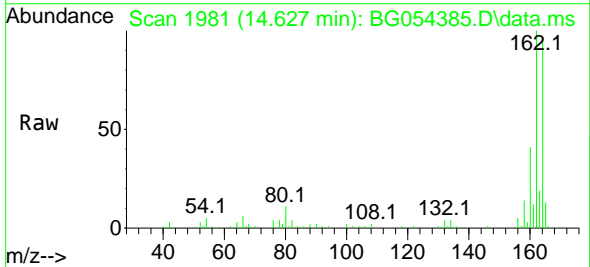
Tgt Ion: 82 Resp: 32370
 Ion Ratio Lower Upper
 82 100
 128 46.3 27.9 41.9
 54 55.8 41.2 61.8

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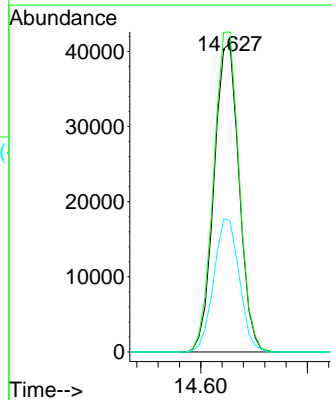
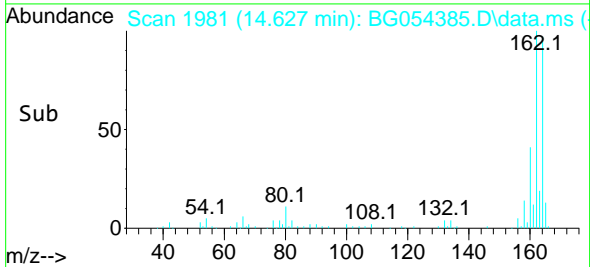
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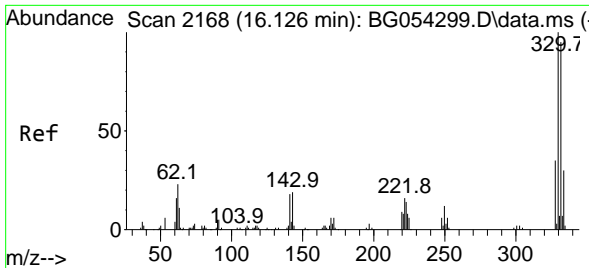


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.627 min Scan# 1981
 Delta R.T. -0.006 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



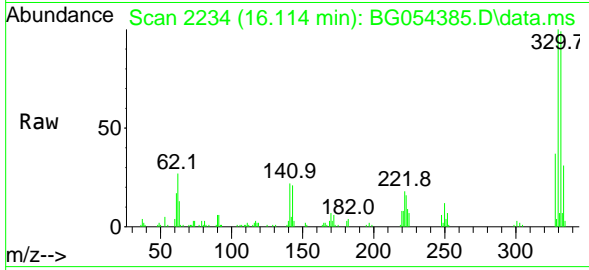
Tgt Ion:164 Resp: 66948
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.3 123.5
 160 42.6 34.2 51.2





#42
 2,4,6-Tribromophenol
 Concen: 31.262 ng
 RT: 16.114 min Scan# 2168
 Delta R.T. -0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

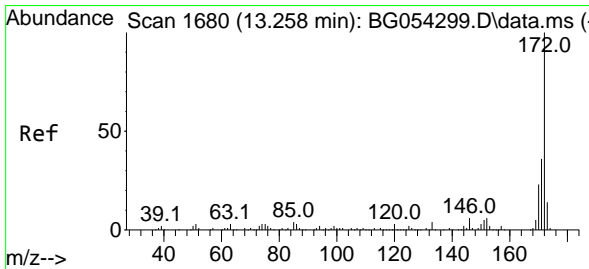
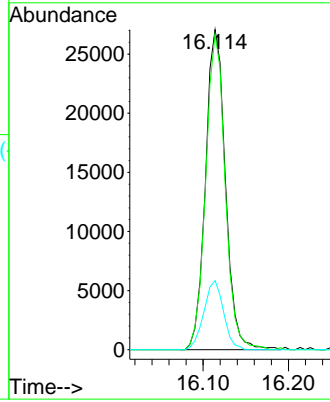
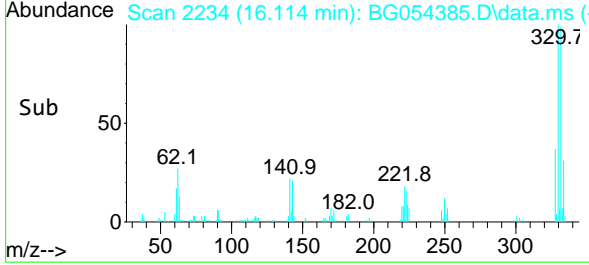
Instrument : BNA_G
 Client Sample Id : HS-SOIL-0721RE



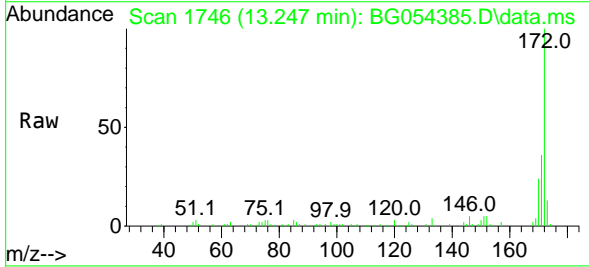
Tgt Ion: 330 Resp: 4394
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.0 114.0
 141 21.3 27.1 40.7

Manual Integrations
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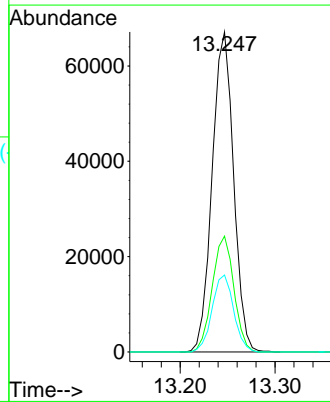
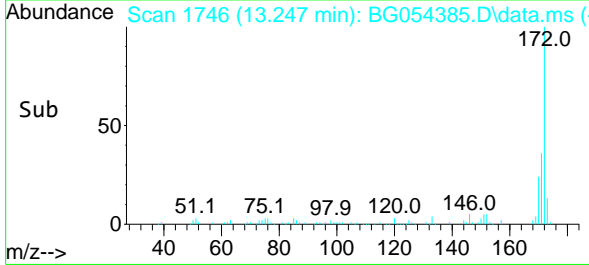
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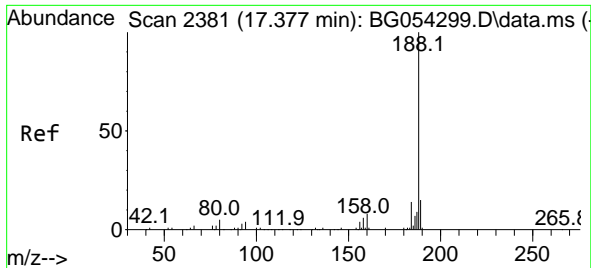


#45
 2-Fluorobiphenyl
 Concen: 22.192 ng
 RT: 13.247 min Scan# 1746
 Delta R.T. -0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



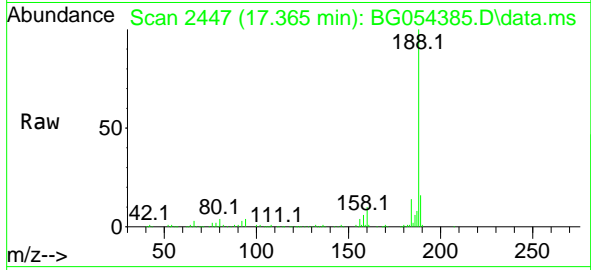
Tgt Ion: 172 Resp: 105318
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.5 42.7
 170 24.0 18.9 28.3





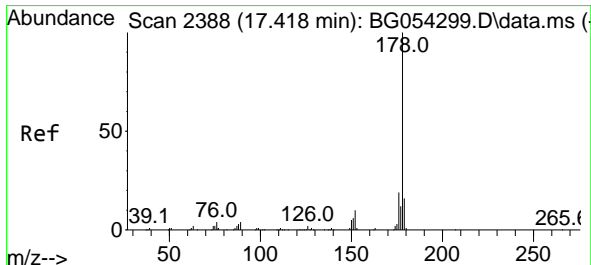
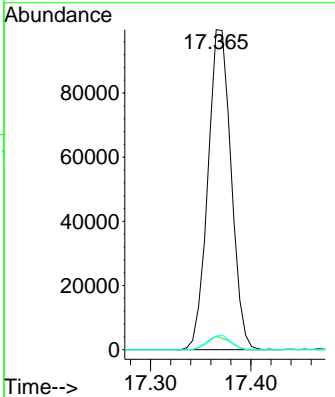
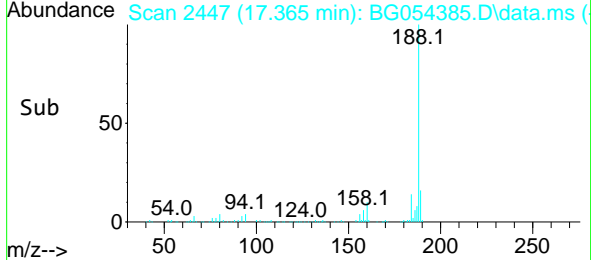
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.365 min Scan# 2447
 Delta R.T. -0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

Instrument : BNA_G
 Client Sample Id : HS-SOIL-0721RE

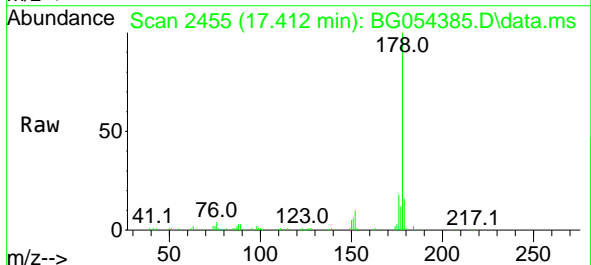


Tgt Ion:188 Resp: 16028
 Ion Ratio Lower Upper
 188 100
 94 4.3 5.4 8.0
 80 4.2 6.8 10.2

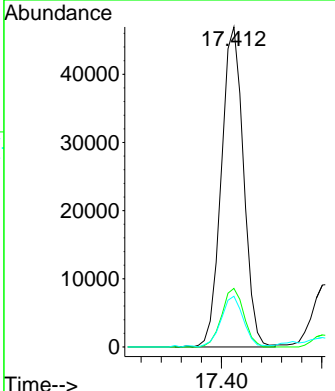
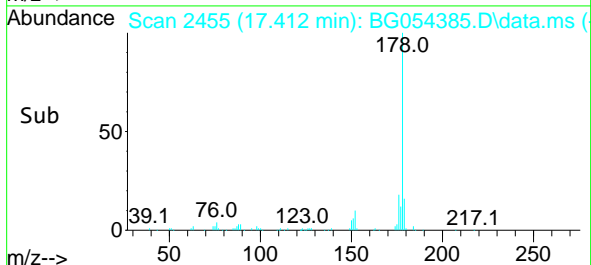
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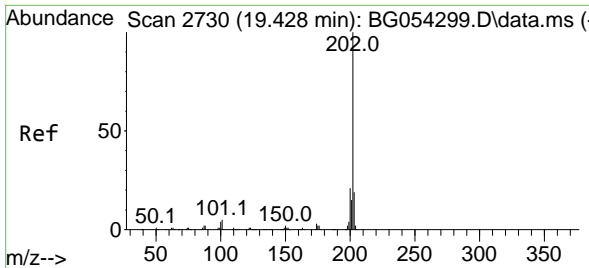


#71
 Phenanthrene
 Concen: 9.032 ng
 RT: 17.412 min Scan# 2455
 Delta R.T. -0.006 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



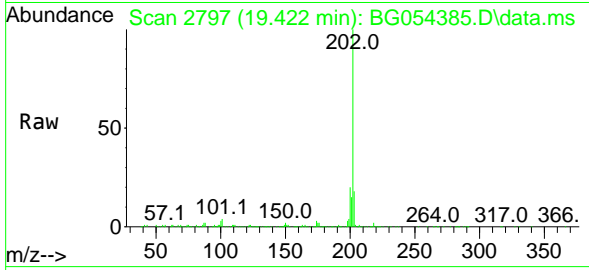
Tgt Ion:178 Resp: 72095
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.1 21.1
 179 15.8 12.1 18.1





#75
 Fluoranthene
 Concen: 14.412 ng
 RT: 19.422 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

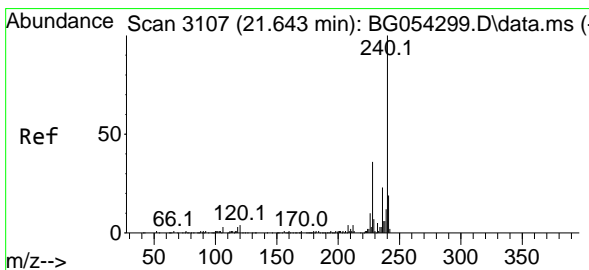
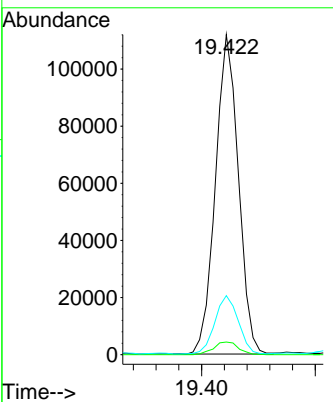
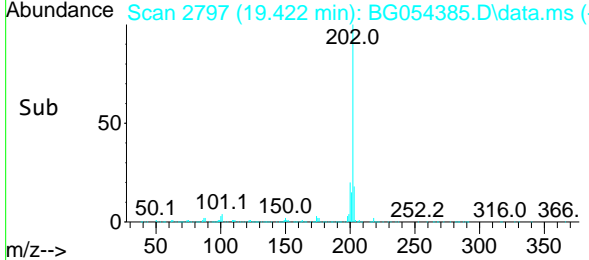
Instrument : BNA_G
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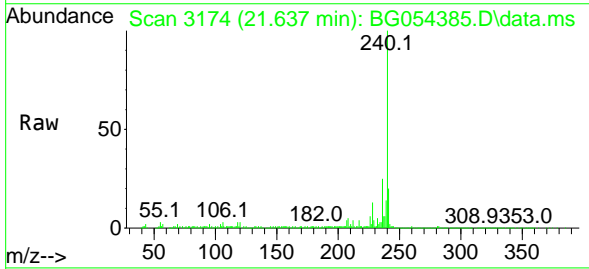
Tgt Ion: 202 Resp: 156810

Ion	Ratio	Lower	Upper
202	100		
101	4.0	0.0	26.9
203	18.4	0.0	37.2

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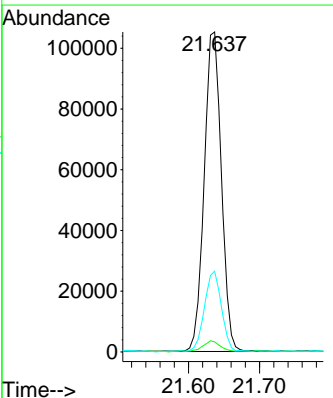
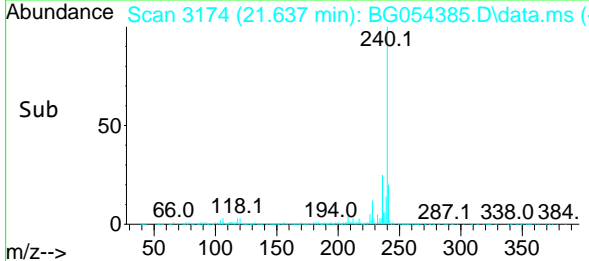


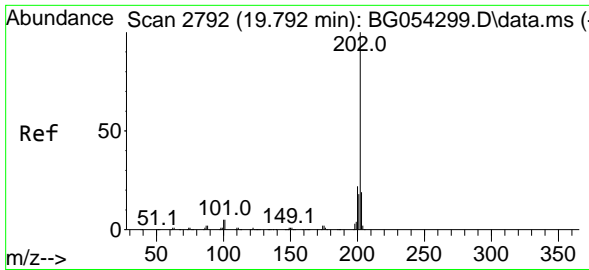
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.637 min Scan# 3174
 Delta R.T. -0.006 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



Tgt Ion: 240 Resp: 176808

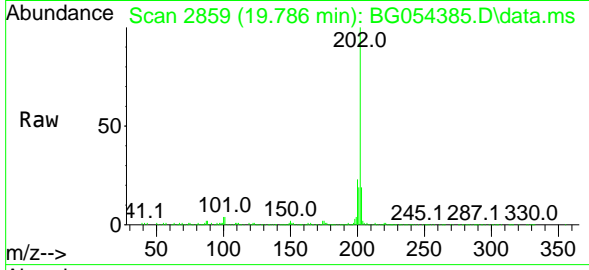
Ion	Ratio	Lower	Upper
240	100		
120	3.1	4.6	7.0#
236	25.2	20.2	30.4





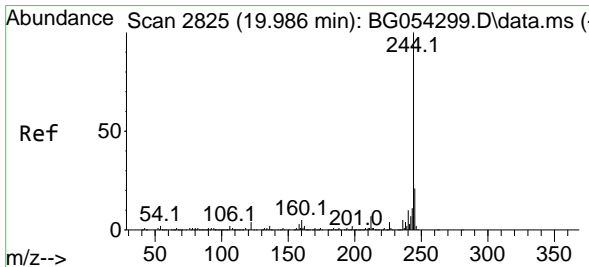
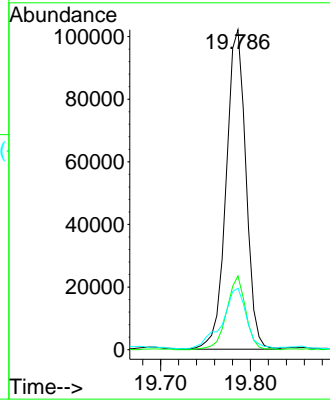
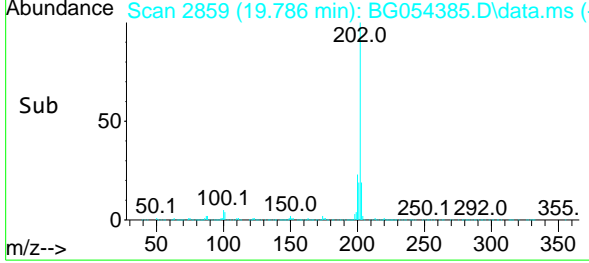
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 Pyrene
 Concen: 15.386 ng
 RT: 19.786 min Scan# 2859
 Delta R.T. -0.006 min
 Lab File: BG054385.D
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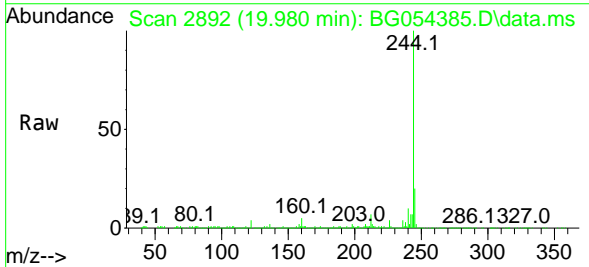


Tgt Ion: 202 Resp: 156090
 Ion Ratio Lower Upper
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 200 23.0 16.6 24.8
 203 19.2 14.6 21.8

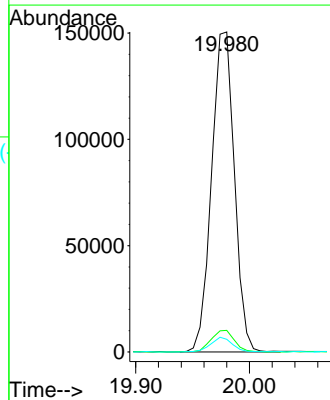
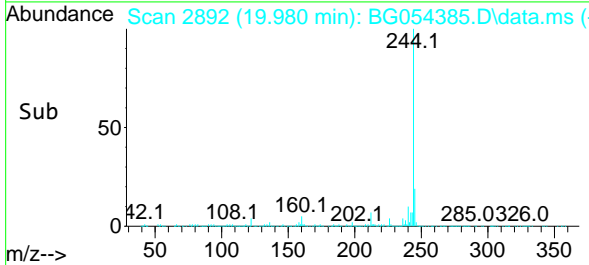
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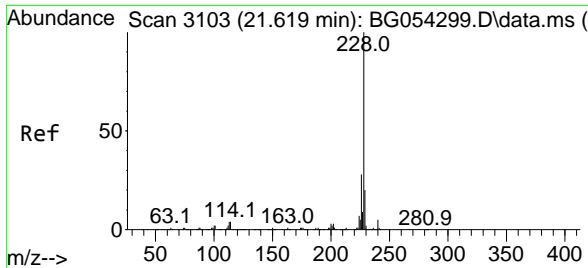


#79
 Terphenyl-d14
 Concen: 23.586 ng
 RT: 19.980 min Scan# 2892
 Delta R.T. -0.006 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



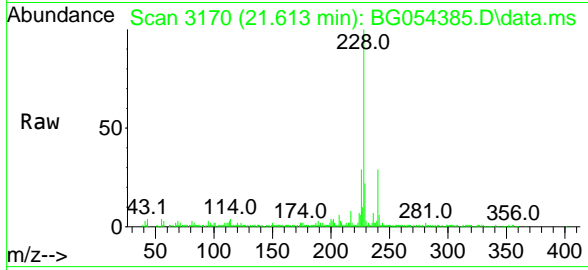
Tgt Ion: 244 Resp: 210215
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.0 5.0 7.4#





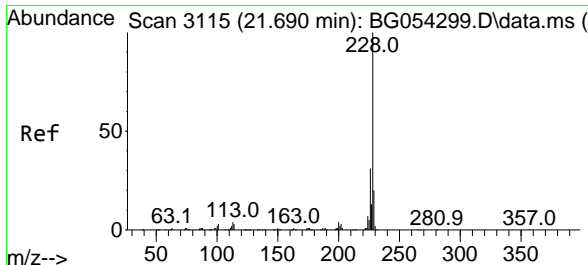
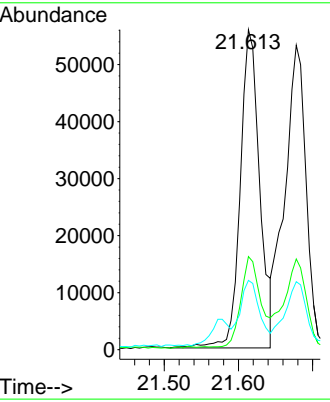
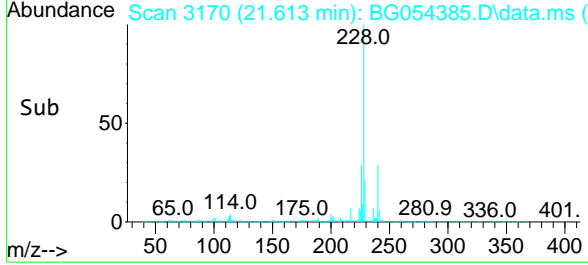
#81
 Benzo(a)anthracene
 Concen: 9.052 ng
 RT: 21.613 min Scan# 3103
 Delta R.T. -0.006 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

Instrument : BNA_G
 Client Sample Id : HS-SOIL-0721RE

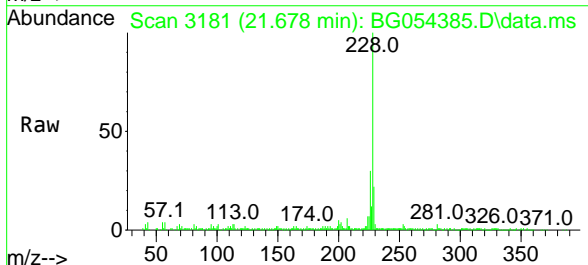


Tgt Ion: 228 Resp: 10160
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.6 32.4
 229 21.7 16.2 24.2

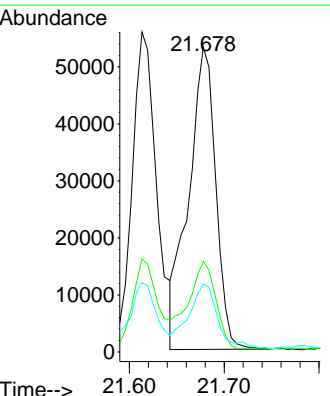
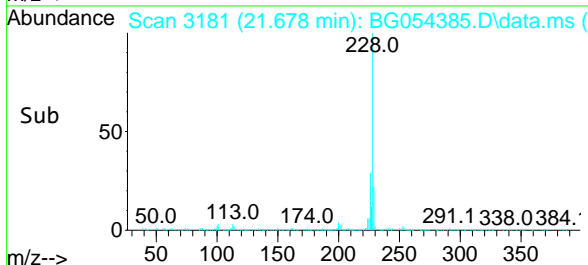
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 Supervised By : Jagrut Upadhyay 07/26/2022

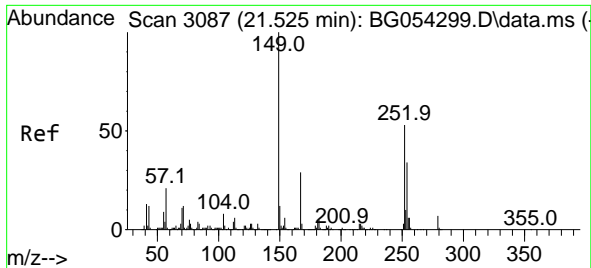


#83
 Chrysene
 Concen: 9.966 ng
 RT: 21.678 min Scan# 3181
 Delta R.T. -0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



Tgt Ion: 228 Resp: 105672
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.4 35.2
 229 22.4 15.5 23.3





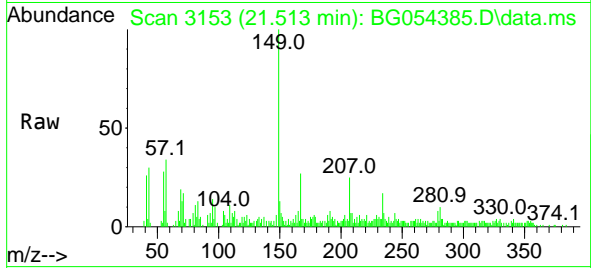
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.863 ng
 RT: 21.513 min Scan# 3153
 Delta R.T. -0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721RE

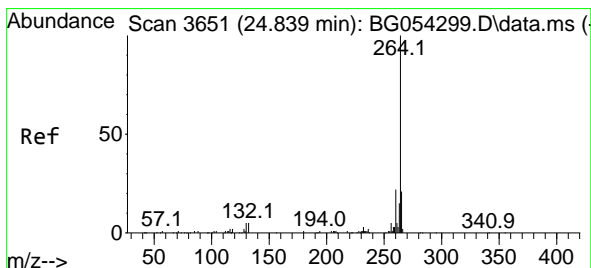
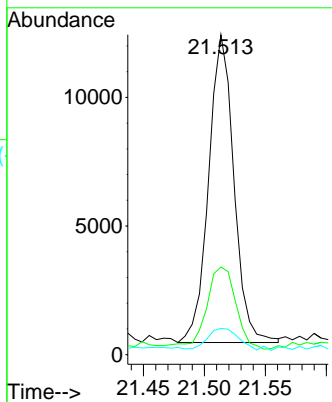
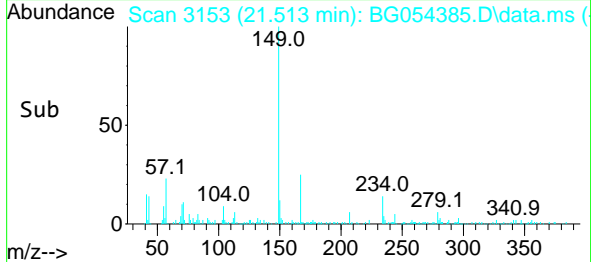


Tgt Ion:149 Resp: 1728
 Ion Ratio Lower Upper
 149 100
 167 27.4 20.2 30.4
 279 8.2 3.6 5.4

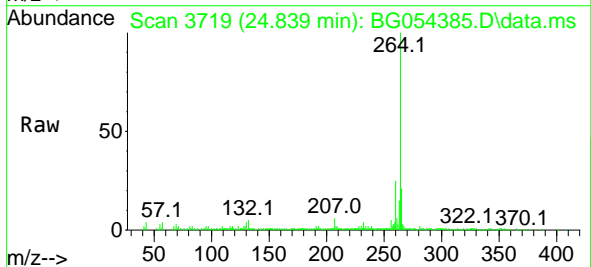
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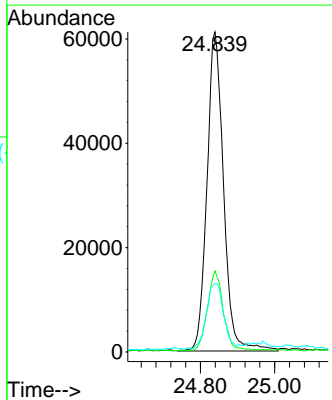
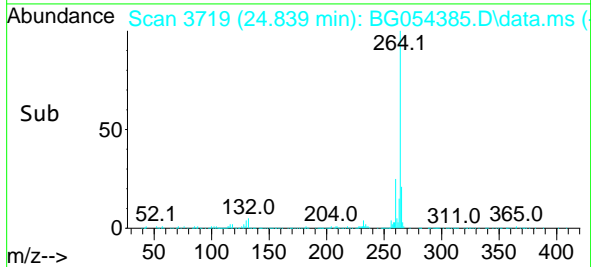
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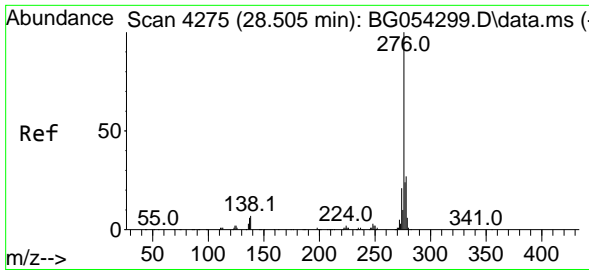


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.839 min Scan# 3719
 Delta R.T. 0.000 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



Tgt Ion:264 Resp: 190207
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.0 28.6
 265 21.4 17.4 26.2





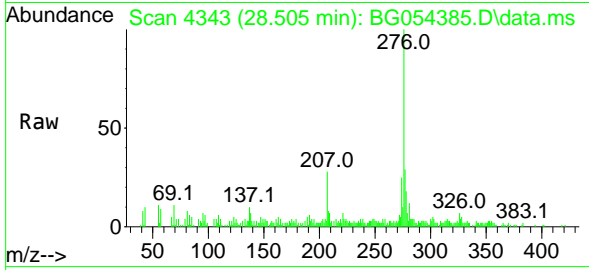
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.442 ng
 RT: 28.505 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721RE

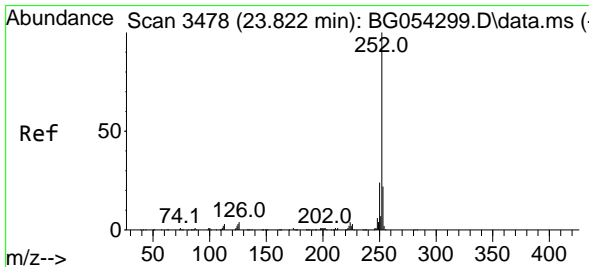
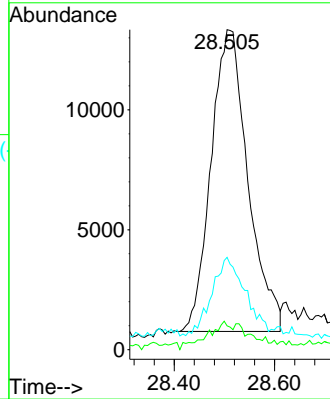
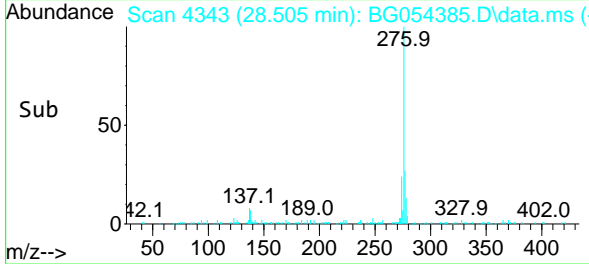


Tgt Ion:276 Resp: 64276
 Ion Ratio Lower Upper
 276 100
 138 6.2 5.0 7.4
 277 23.8 20.3 30.5

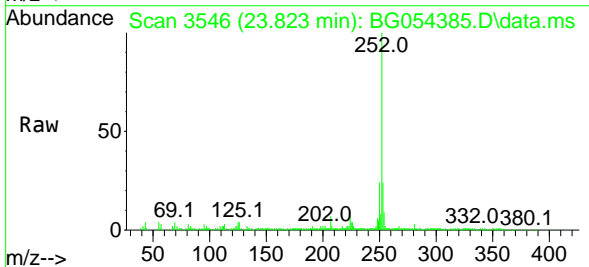
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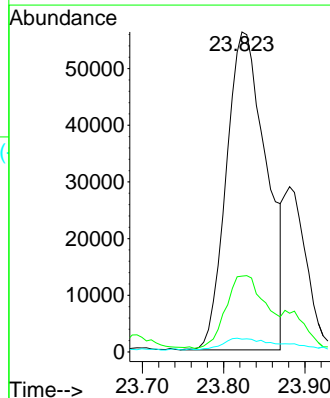
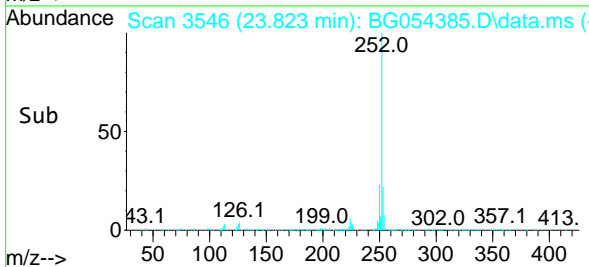
Reviewed By :Christian Giraldo 07/26/2022
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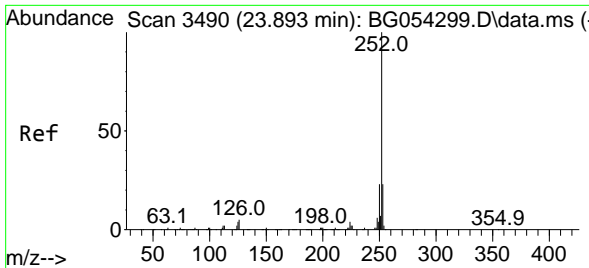


#88
 Benzo(b)fluoranthene
 Concen: 17.045 ng
 RT: 23.823 min Scan# 3546
 Delta R.T. 0.000 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



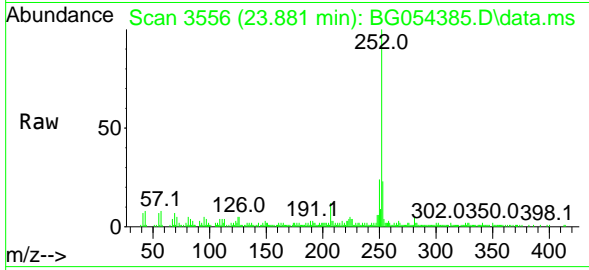
Tgt Ion:252 Resp: 191738
 Ion Ratio Lower Upper
 252 100
 253 23.7 18.0 27.0
 125 4.0 4.6 6.8#





#89
 Benzo(k)fluoranthene
 Concen: 4.979 ng m
 RT: 23.881 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

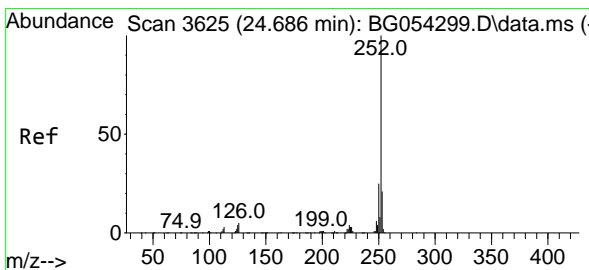
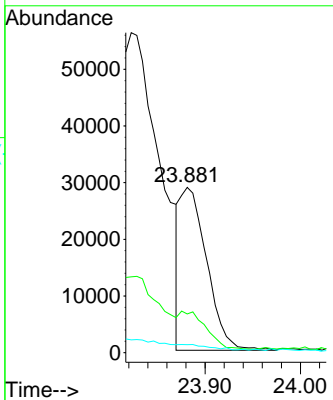
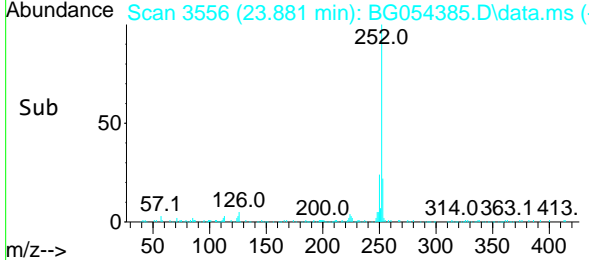
Instrument :
 BNA_G
ClientSampleId :
 HS-SOIL-0721RE



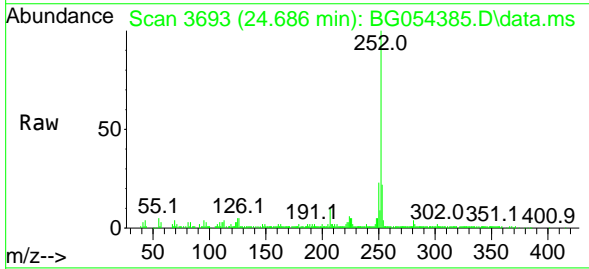
Tgt Ion: 252 Resp: 55730
 Ion Ratio Lower Upper
 252 100
 253 23.5 18.4 27.6
 125 4.9 4.8 7.2

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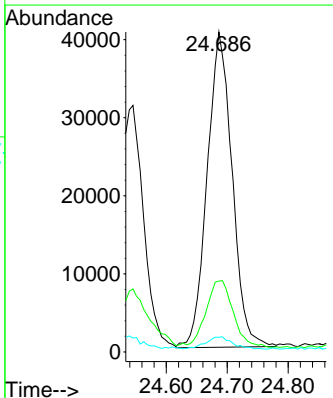
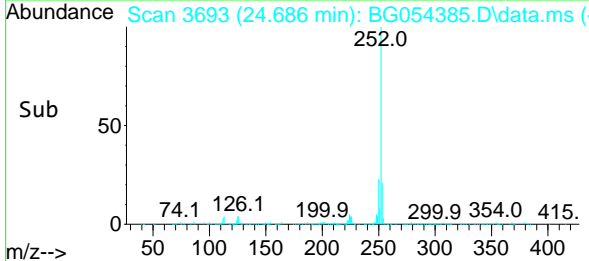
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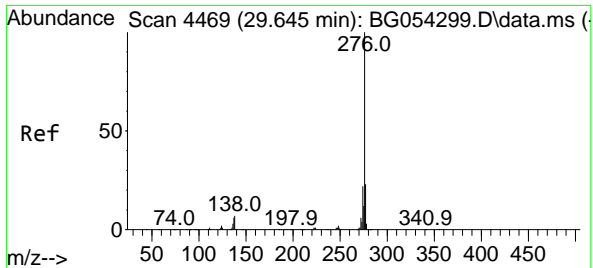


#90
 Benzo(a)pyrene
 Concen: 11.976 ng
 RT: 24.686 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42



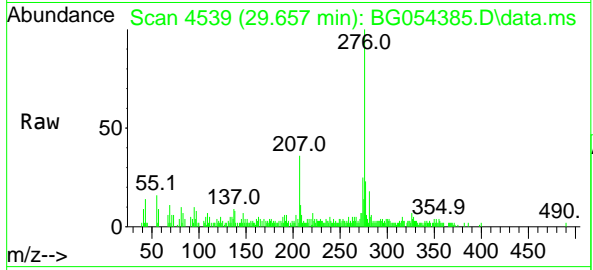
Tgt Ion: 252 Resp: 115044
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.8 26.8
 125 4.6 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 5.145 ng
 RT: 29.657 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

Instrument :
 BNA_G
 ClientSampleId :
 HS-SOIL-0721RE



Tgt Ion: 276 Resp: 6042

Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.3	25.9
138	8.4	9.6	14.4

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