

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

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)

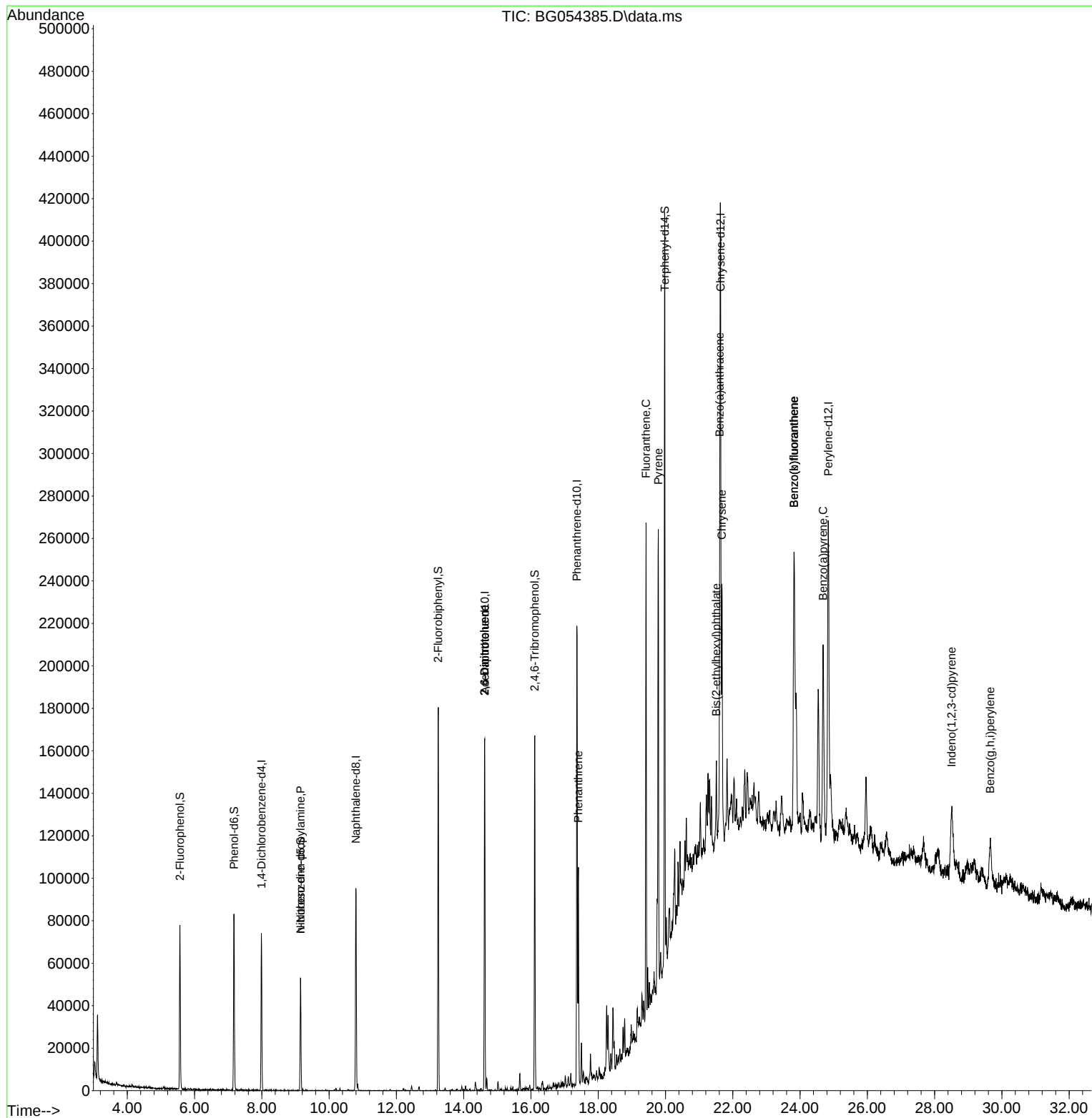
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	22846	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	88306	20.000	ng	#-0.01
39) Acenaphthene-d10	14.627	164	66948	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	160283	20.000	ng	#-0.01
76) Chrysene-d12	21.637	240	176808	20.000	ng	# 0.00
86) 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
19) n-Nitroso-di-n-propyla...	9.151	70	4489	4.483	ng	# 82
51) 2,6-Dinitrotoluene	14.622	165	9476	8.262	ng	# 16
57) 2,4-Dinitrotoluene	14.622	165	9476	5.763	ng	# 21
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	23.823	252	191738	17.127	ng	# 98
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

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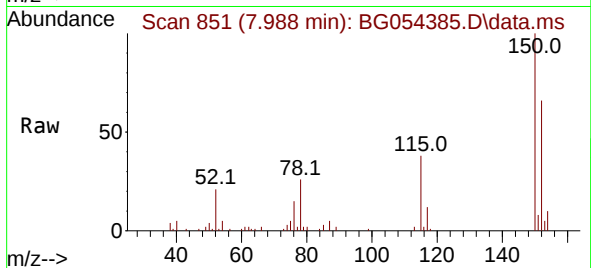
Quant Time: Jul 26 00:55:30 2022
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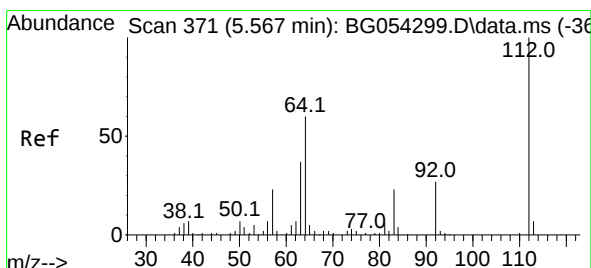
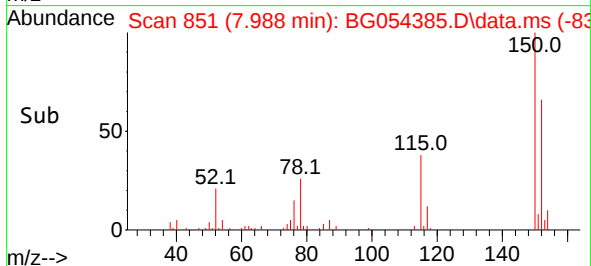
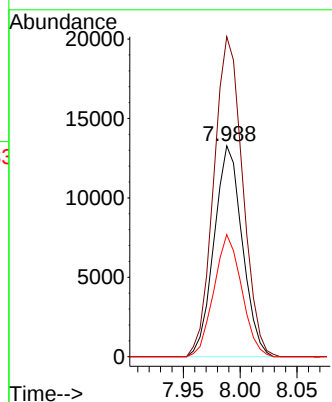


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

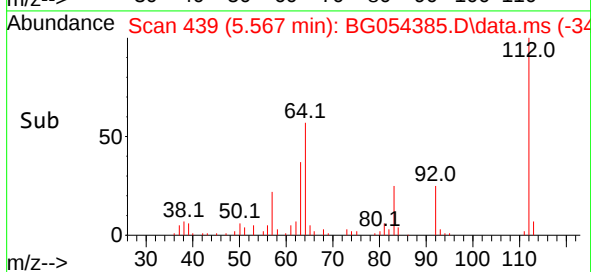
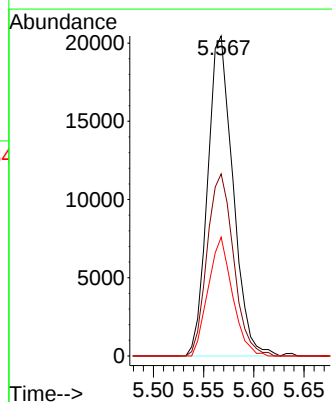
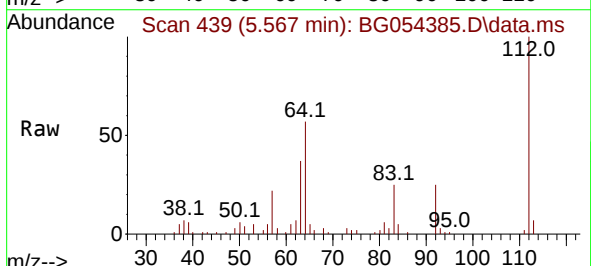


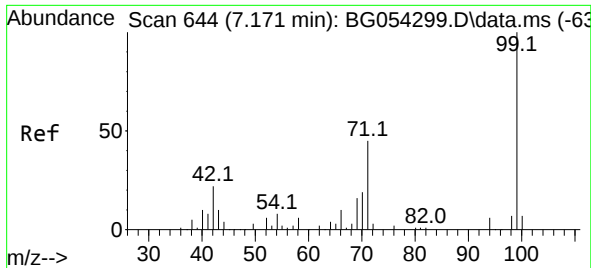
Tgt Ion:152 Resp: 22846
Ion Ratio Lower Upper
152 100
150 151.8 131.6 197.4
115 57.9 50.9 76.3



#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

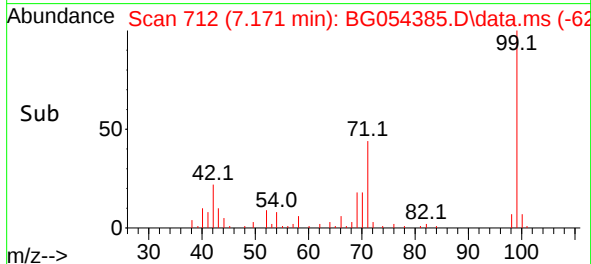
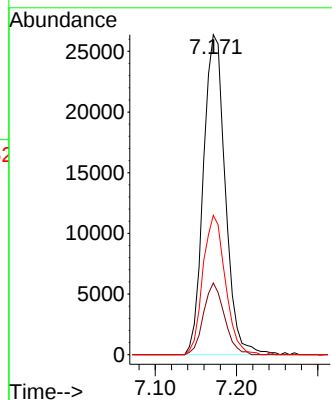
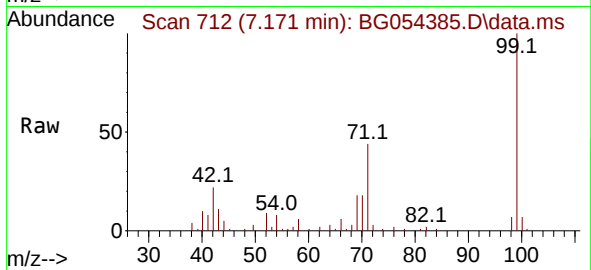




#7
Phenol-d6
Concen: 32.862 ng
RT: 7.171 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

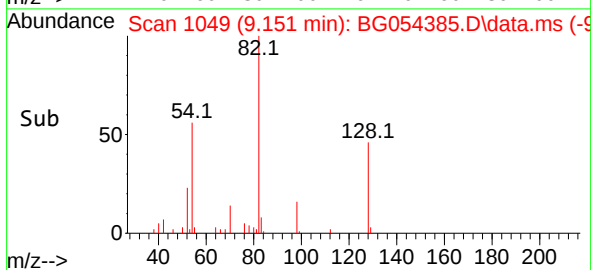
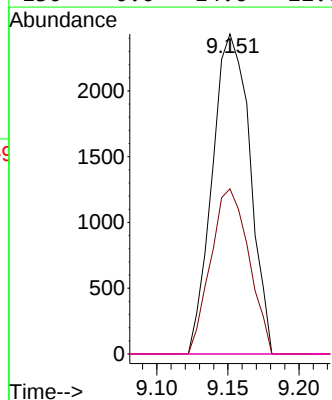
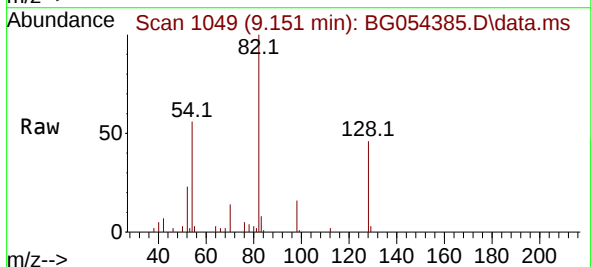
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

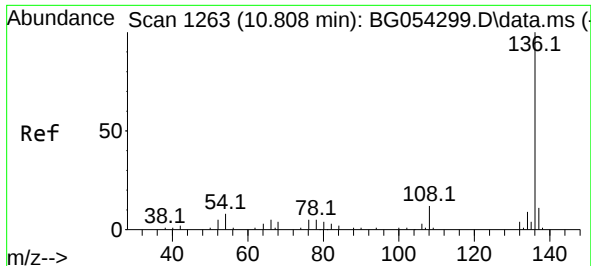
Tgt Ion: 99 Resp: 49272
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 43.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.483 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.347 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Tgt Ion: 70 Resp: 4489
Ion Ratio Lower Upper
70 100
42 51.6 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

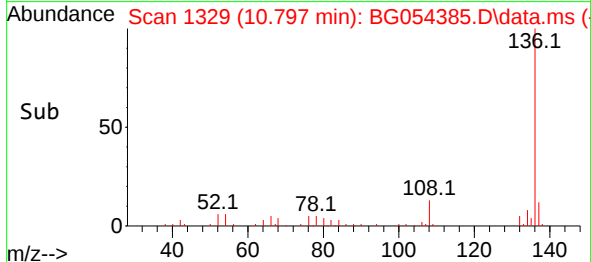
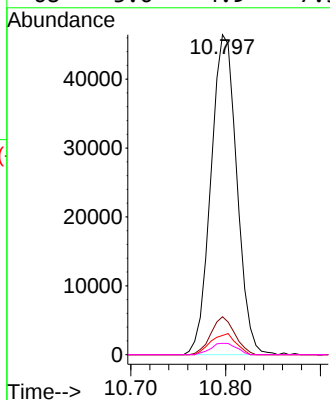
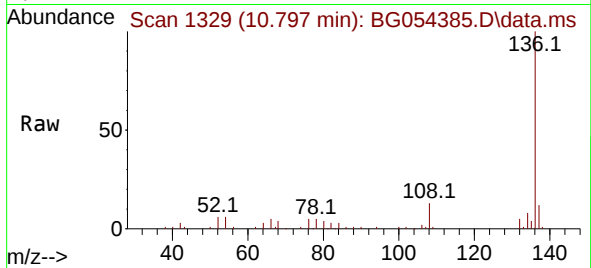




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

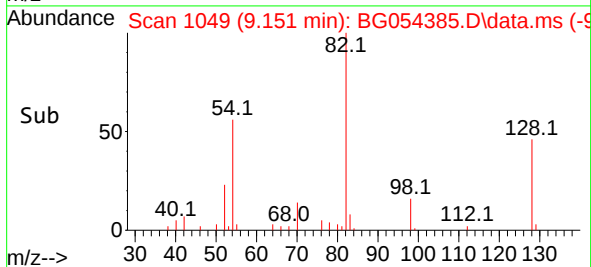
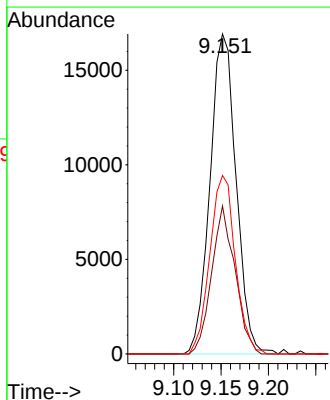
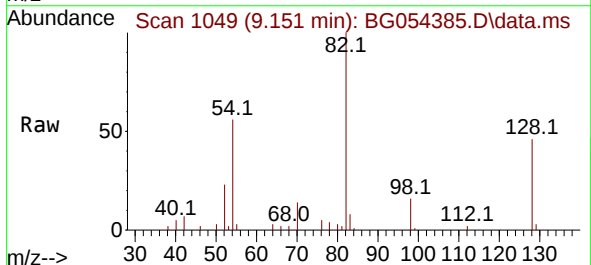
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

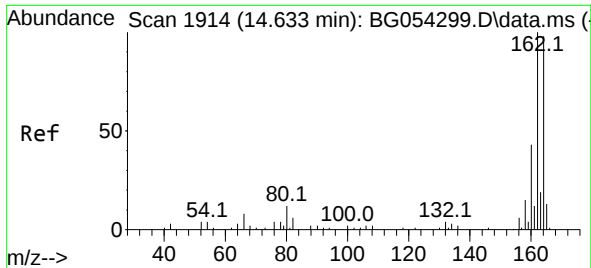
Tgt Ion:	136	Resp:	88306
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.5	12.7
54	6.0	7.4	11.2#
68	3.6	4.9	7.3#



#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

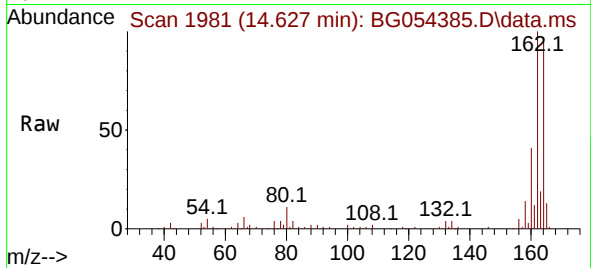
Tgt Ion:	82	Resp:	32370
Ion Ratio	Lower	Upper	
82	100		
128	46.3	27.9	41.9#
54	55.8	41.2	61.8



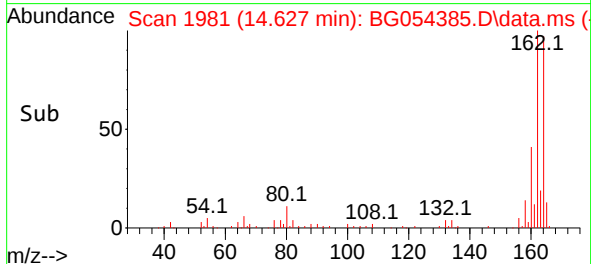
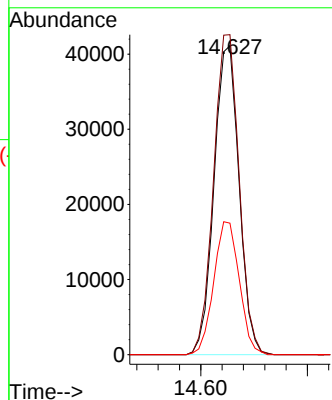


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

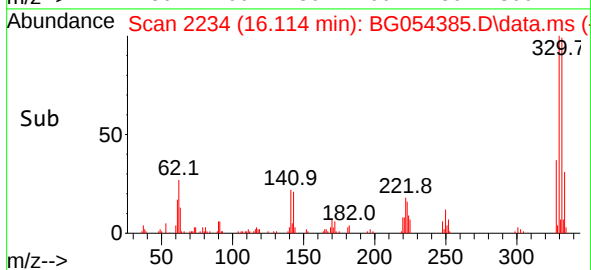
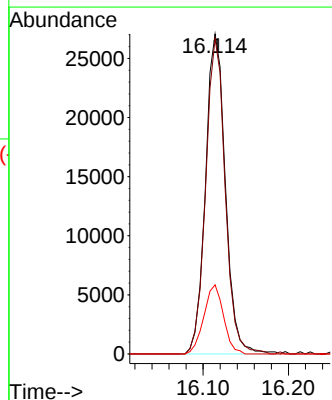
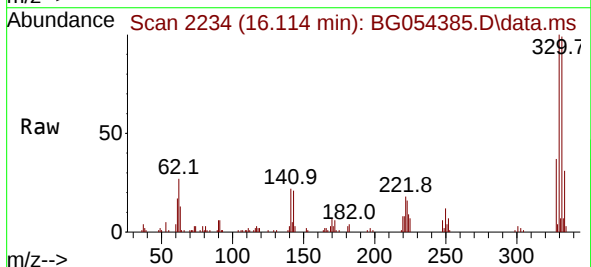


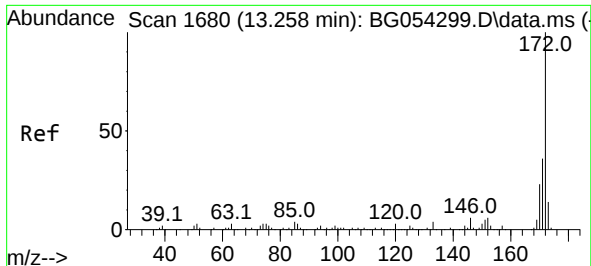
Tgt Ion:164 Resp: 66948
Ion Ratio Lower Upper
164 100
162 103.6 82.3 123.5
160 42.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 31.262 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Tgt Ion:330 Resp: 43944
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 21.3 27.1 40.7#

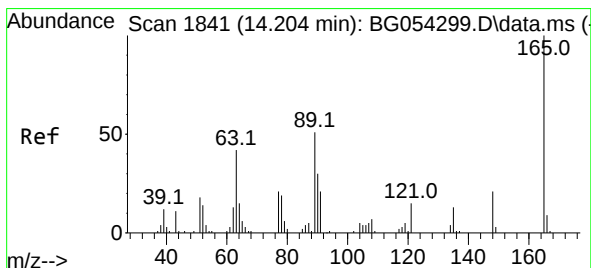
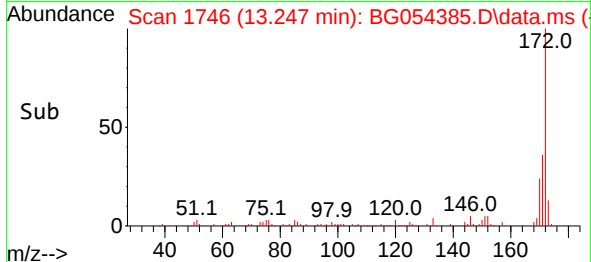
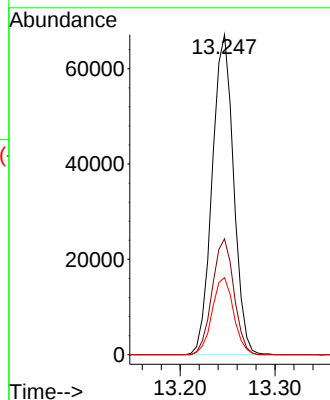
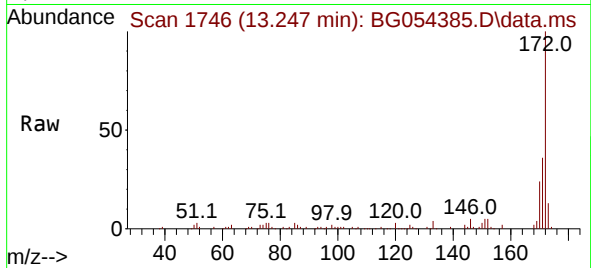




#45
2-Fluorobiphenyl
Concen: 22.192 ng
RT: 13.247 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

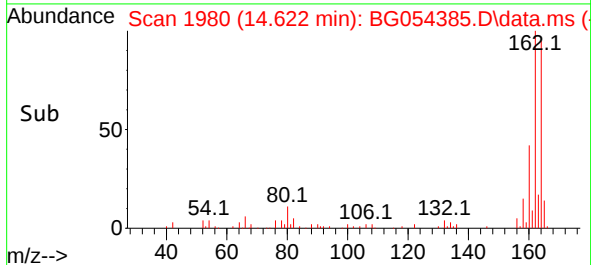
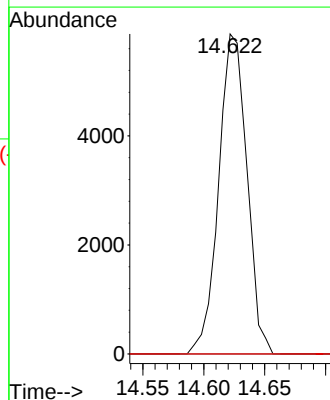
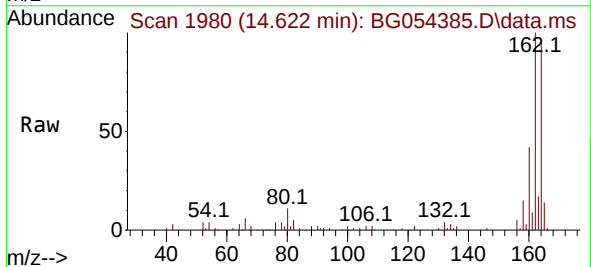
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

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



#51
2,6-Dinitrotoluene
Concen: 8.262 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.417 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

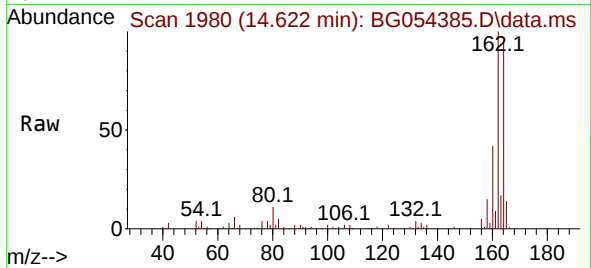
Tgt Ion:165 Resp: 9476
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



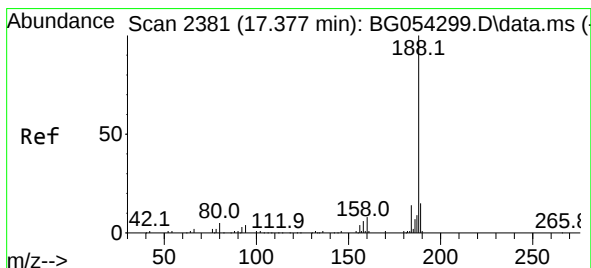
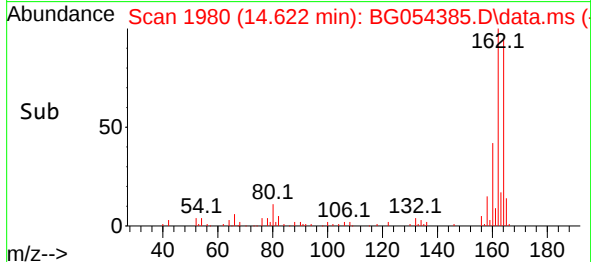
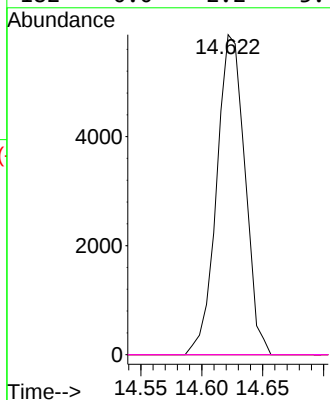


#57
2,4-Dinitrotoluene
Concen: 5.763 ng
RT: 14.622 min Scan# 14
Delta R.T. -0.376 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

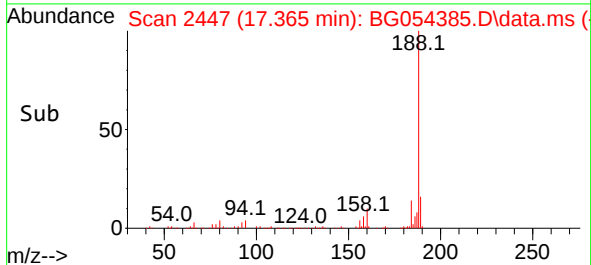
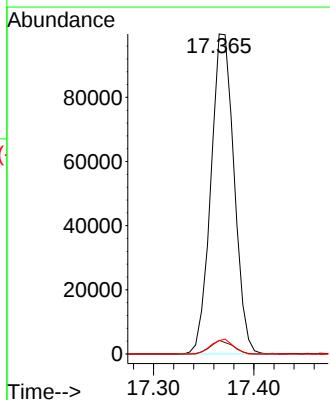
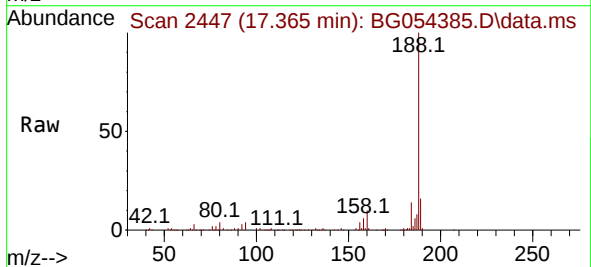


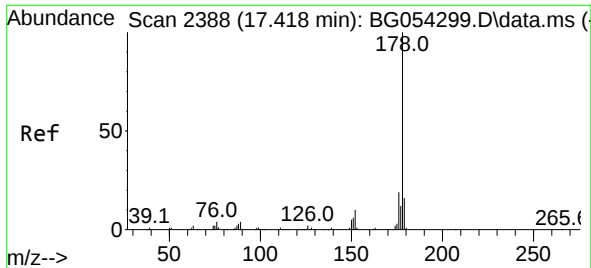
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Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#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

Tgt Ion:188 Resp: 160283
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0#
80 4.2 6.8 10.2#

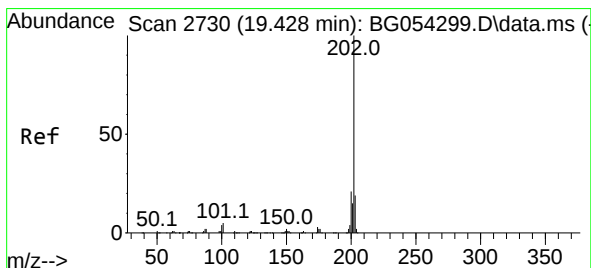
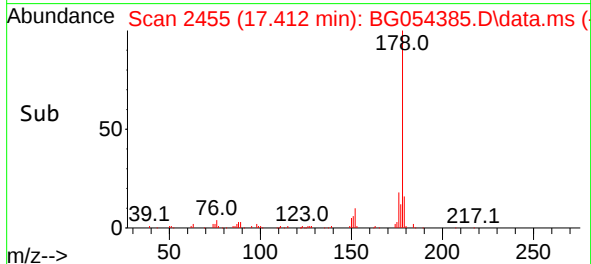
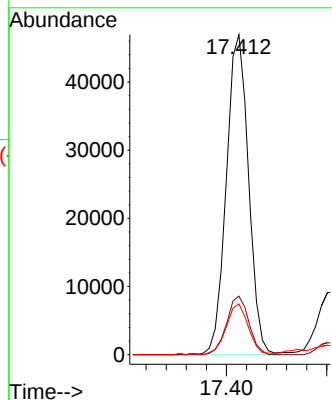
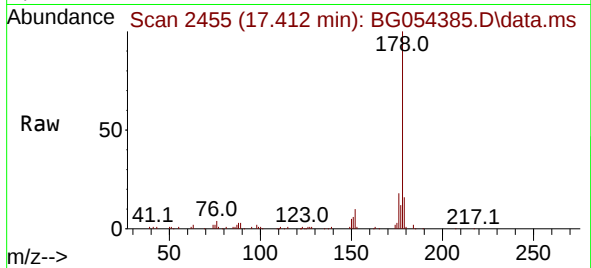




#71
Phenanthrene
Concen: 9.032 ng
RT: 17.412 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

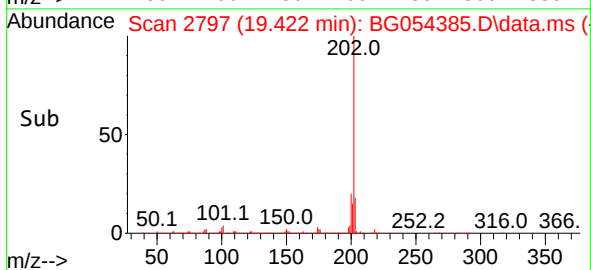
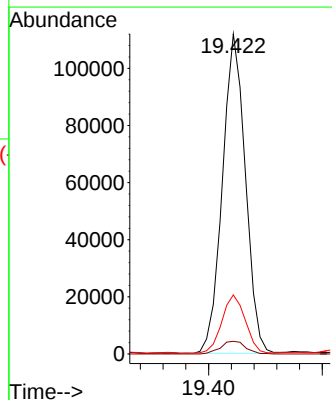
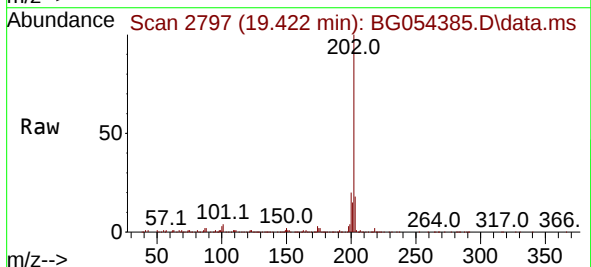
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

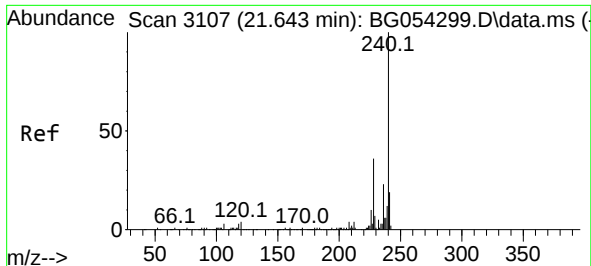
Tgt Ion:178 Resp: 72095
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 15.8 12.1 18.1



#75
Fluoranthene
Concen: 14.412 ng
RT: 19.422 min Scan# 2797
Delta R.T. -0.006 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Tgt Ion:202 Resp: 156816
Ion Ratio Lower Upper
202 100
101 4.0 0.0 26.9
203 18.4 0.0 37.2

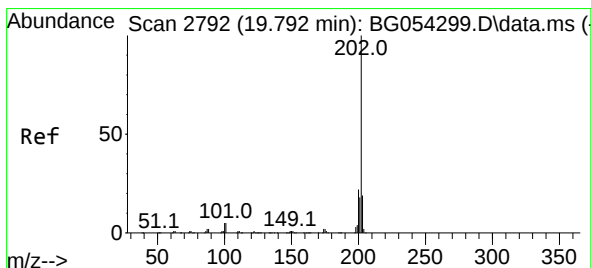
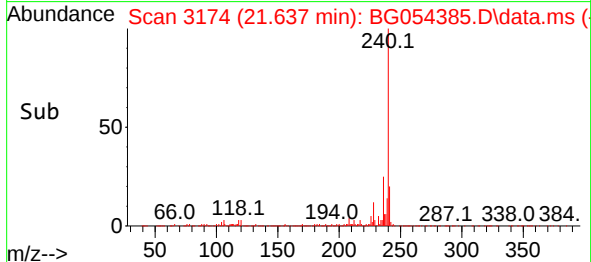
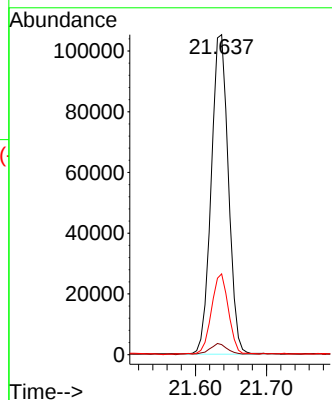
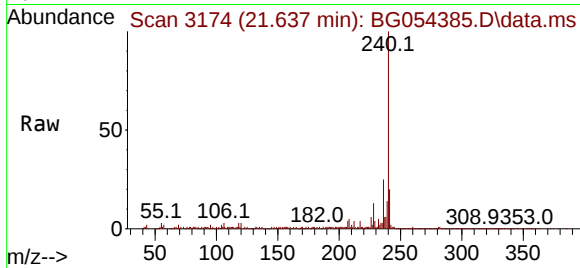




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

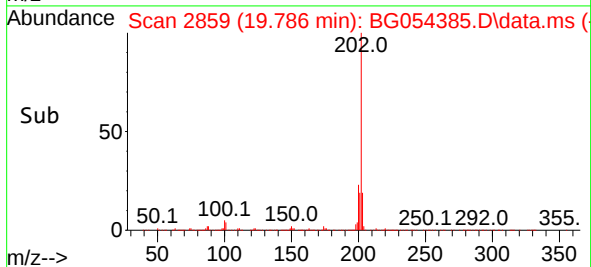
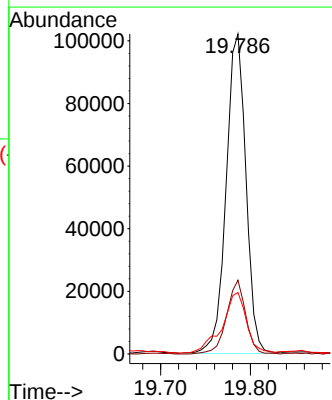
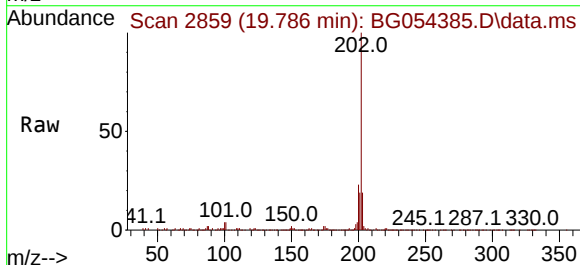
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

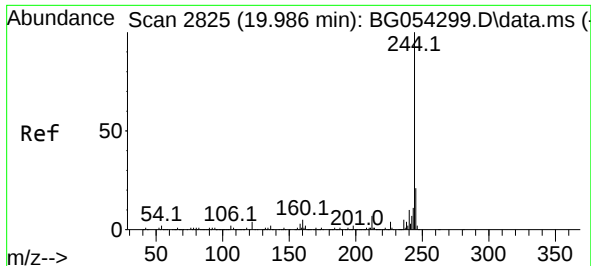
Tgt Ion:240 Resp: 176808
Ion Ratio Lower Upper
240 100
120 3.1 4.6 7.0#
236 25.2 20.2 30.4



#78
Pyrene
Concen: 15.386 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.006 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Tgt Ion:202 Resp: 156096
Ion Ratio Lower Upper
202 100
200 23.0 16.6 24.8
203 19.2 14.6 21.8

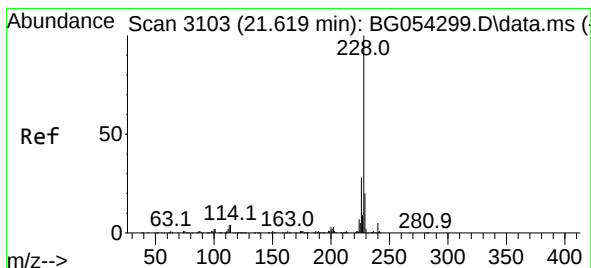
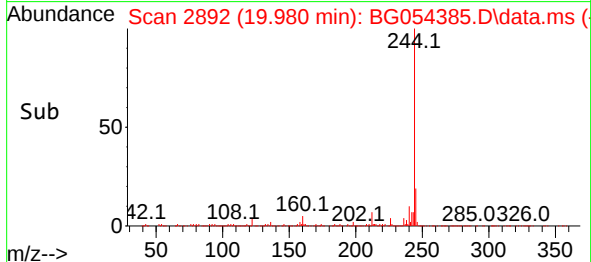
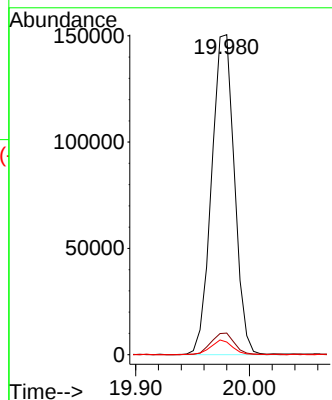
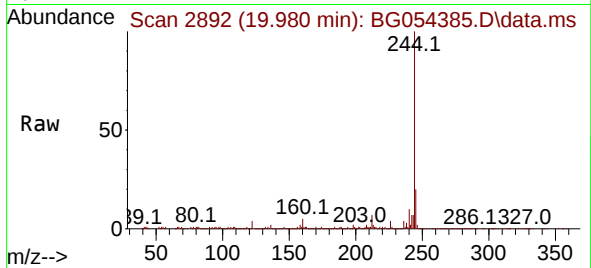




#79
 Terphenyl-d14
 Concen: 23.586 ng
 RT: 19.980 min Scan# 210215
 Delta R.T. -0.006 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

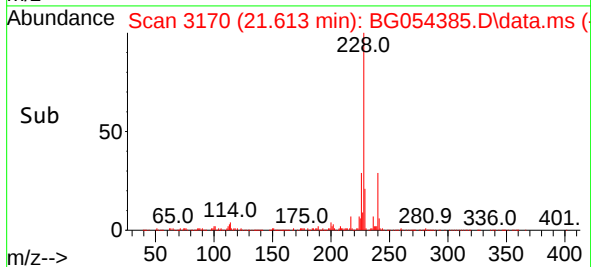
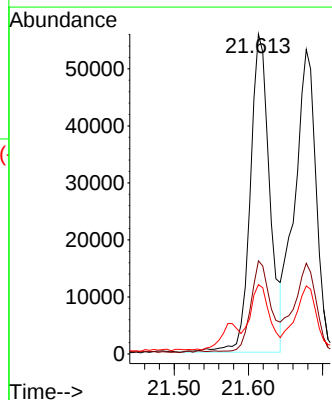
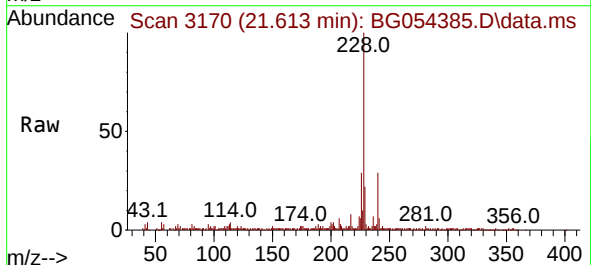
Instrument :
 BNA_G
 ClientSampleId :
 HS-SOIL-0721RE

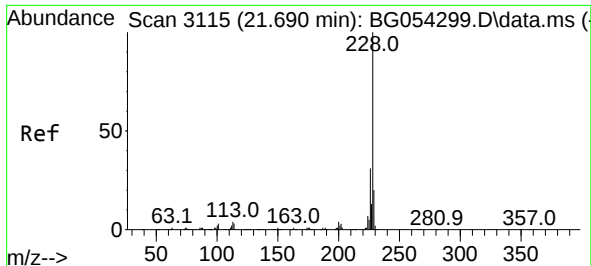
Tgt Ion:244 Resp: 210215
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.0 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 9.052 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.006 min
 Lab File: BG054385.D
 Acq: 25 Jul 2022 18:42

Tgt Ion:228 Resp: 101601
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.6 32.4
 229 21.7 16.2 24.2





#83

Chrysene

Concen: 9.966 ng

RT: 21.678 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BG054385.D

Acq: 25 Jul 2022 18:42

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721RE

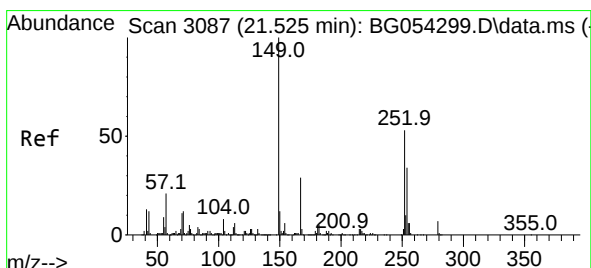
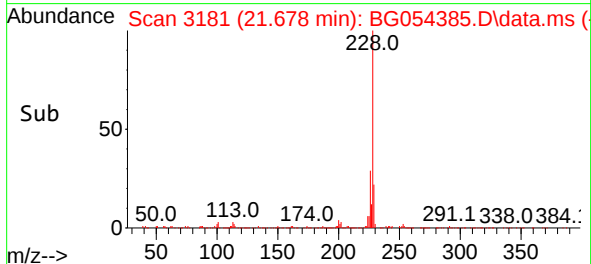
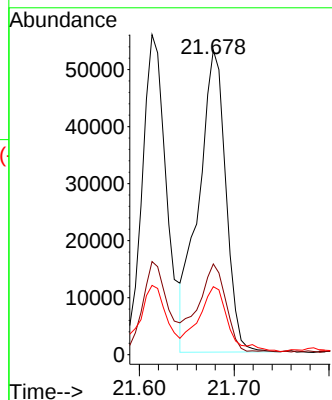
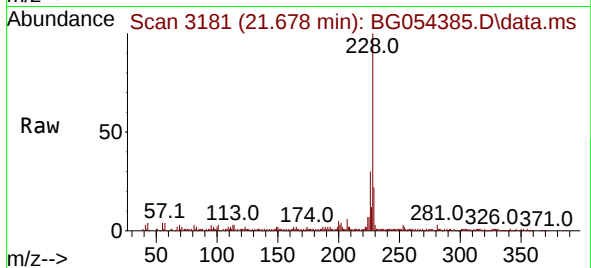
Tgt Ion:228 Resp: 105672

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

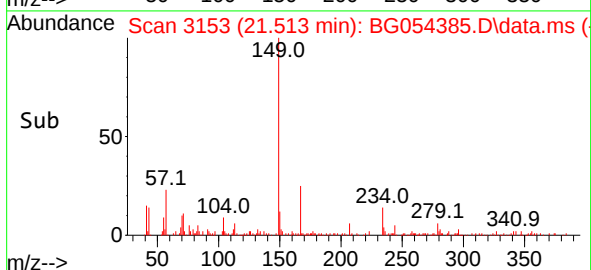
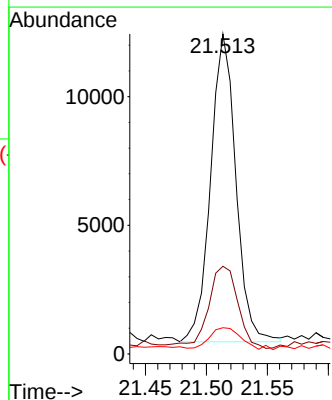
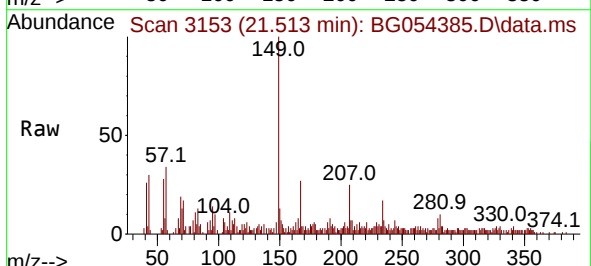
Tgt Ion:149 Resp: 17282

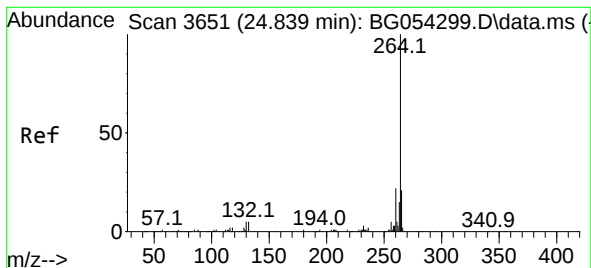
Ion Ratio Lower Upper

149 100

167 27.4 20.2 30.4

279 8.2 3.6 5.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG054385.D

Acq: 25 Jul 2022 18:42

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721RE

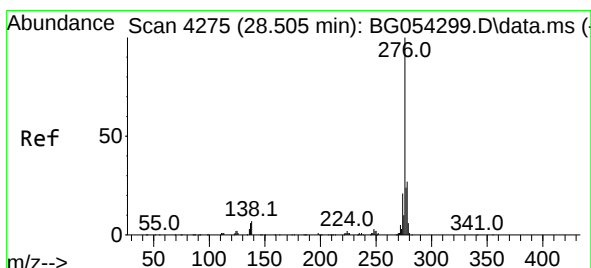
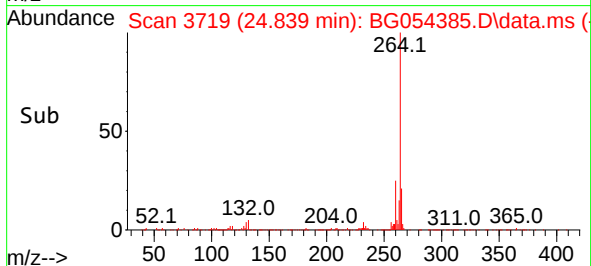
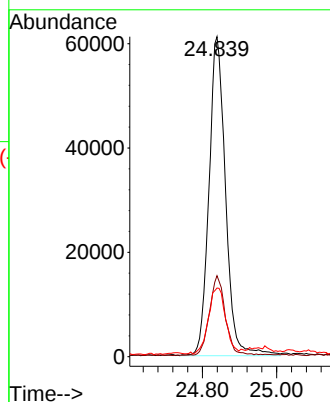
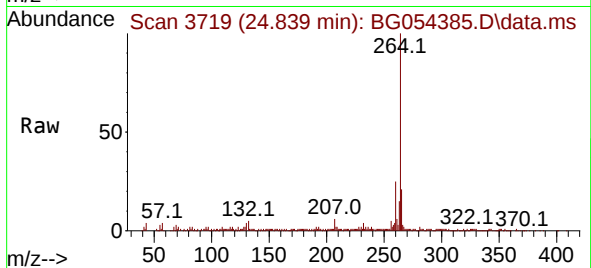
Tgt Ion:264 Resp: 190207

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# 4343

Delta R.T. 0.000 min

Lab File: BG054385.D

Acq: 25 Jul 2022 18:42

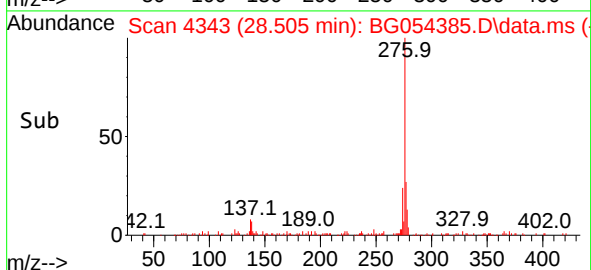
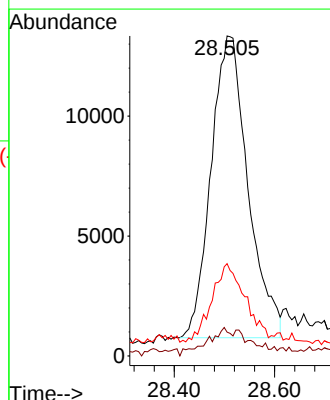
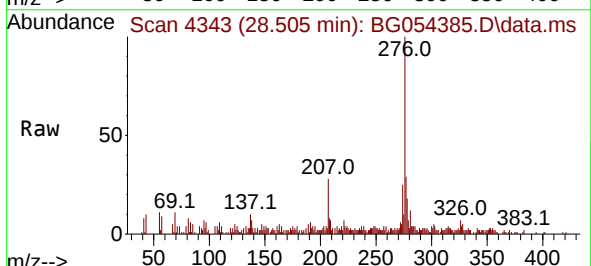
Tgt Ion:276 Resp: 64278

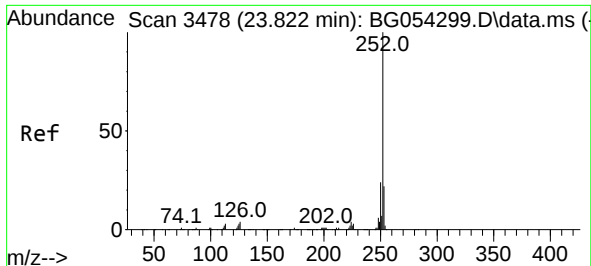
Ion Ratio Lower Upper

276 100

138 6.2 5.0 7.4

277 23.8 20.3 30.5

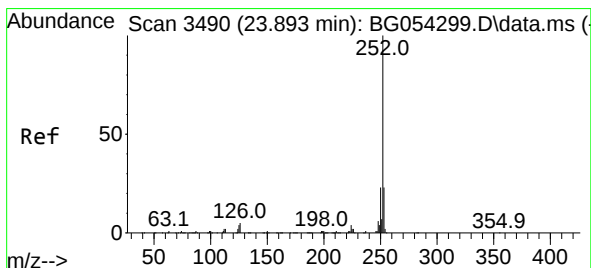
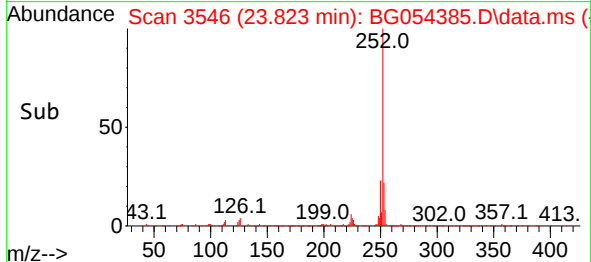
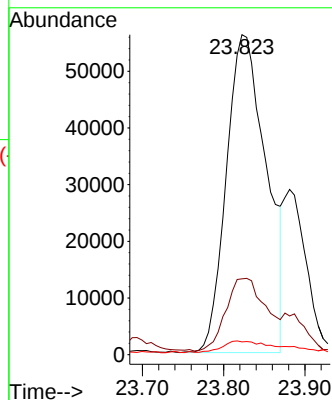
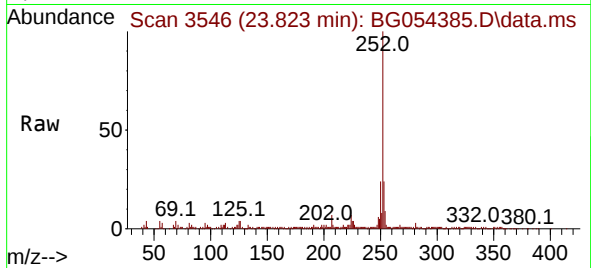




#88
Benzo(b)fluoranthene
Concen: 17.045 ng
RT: 23.823 min Scan# 3546
Delta R.T. 0.000 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

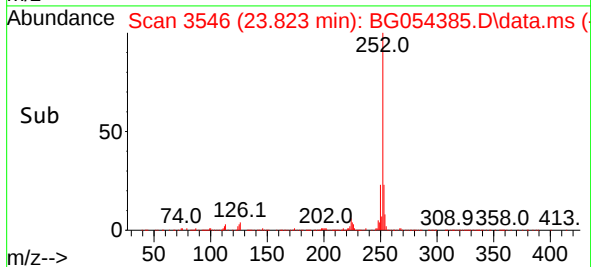
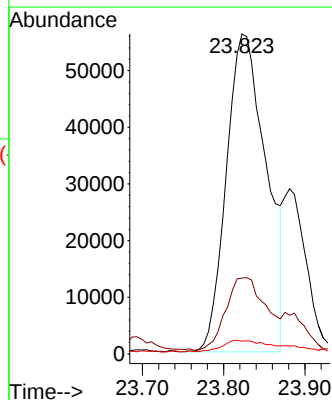
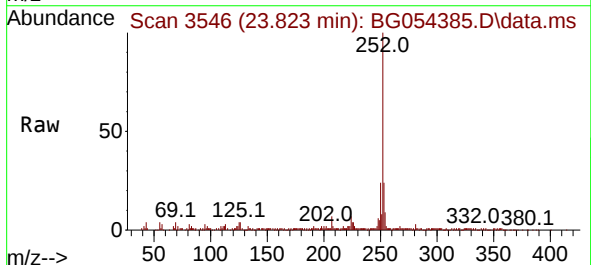
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

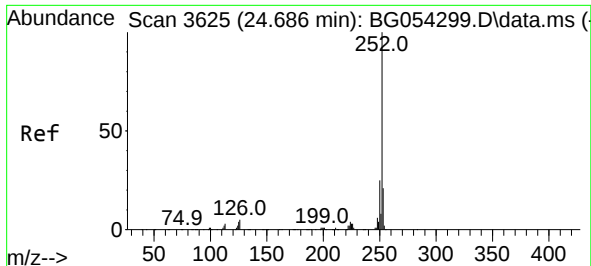
Tgt Ion:252 Resp: 191738
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 4.0 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 17.127 ng
RT: 23.823 min Scan# 3546
Delta R.T. -0.070 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 18.4 27.6
125 4.0 4.8 7.2#

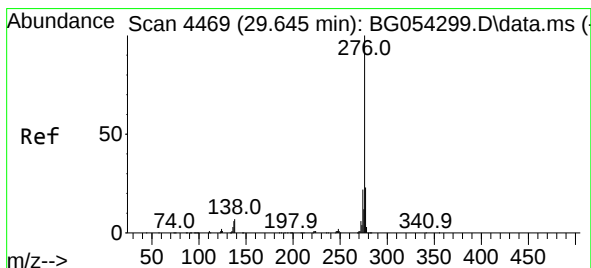
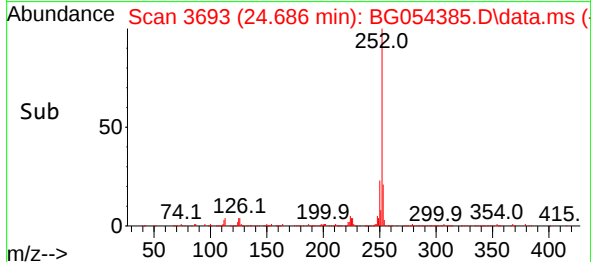
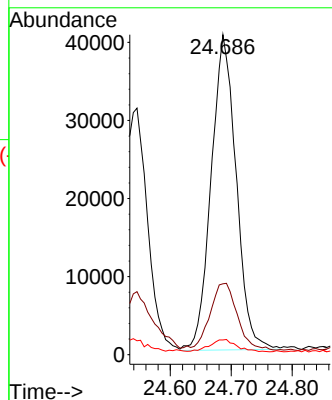
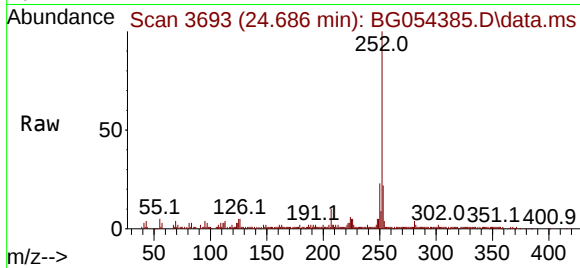




#90
Benzo(a)pyrene
Concen: 11.976 ng
RT: 24.686 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721RE

Tgt Ion: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# 4539
Delta R.T. 0.012 min
Lab File: BG054385.D
Acq: 25 Jul 2022 18:42

Tgt Ion:276 Resp: 60422
Ion Ratio Lower Upper
276 100
277 22.8 17.3 25.9
138 8.4 9.6 14.4#

