

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054368.D
 Acq On : 22 Jul 2022 20:46
 Operator : CG/JU
 Sample : N3830-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HS-SOIL-0721

Quant Time: Jul 23 00:12:37 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)

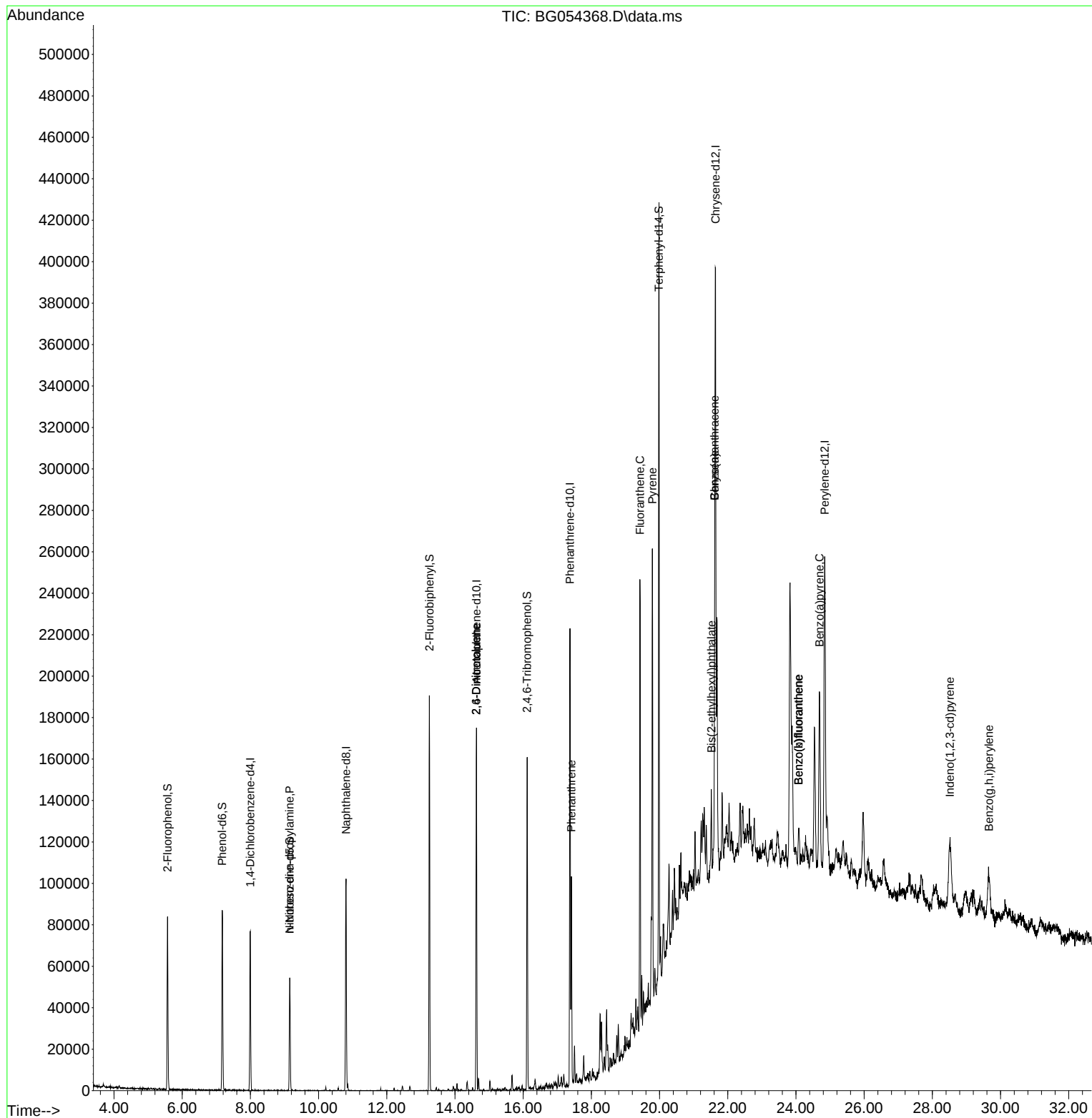
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.995	152	24978	20.000	ng	0.00
21) Naphthalene-d8	10.803	136	92566	20.000	ng	# 0.00
39) Acenaphthene-d10	14.628	164	68275	20.000	ng	0.00
64) Phenanthrene-d10	17.372	188	160422	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	176281	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	187521	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	38377	32.079	ng	0.00
7) Phenol-d6	7.172	99	51155	31.206	ng	0.00
23) Nitrobenzene-d5	9.152	82	34730	20.432	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	44685	31.172	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	107983	22.311	ng	-0.01
79) Terphenyl-d14	19.981	244	210960	23.741	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.152	70	4967	4.537	ng	# 83
51) 2,6-Dinitrotoluene	14.622	165	9705	8.297	ng	# 16
57) 2,4-Dinitrotoluene	14.622	165	9705	5.787	ng	# 21
71) Phenanthrene	17.413	178	70151	8.781	ng	96
75) Fluoranthene	19.422	202	155074	14.240	ng	95
78) Pyrene	19.787	202	154741	15.298	ng	97
81) Benzo(a)anthracene	21.614	228	96570	8.630	ng	98
83) Chrysene	21.614	228	96570	9.134	ng	96
84) Bis(2-ethylhexyl)phtha...	21.520	149	16243	3.642	ng	# 90
87) Indeno(1,2,3-cd)pyrene	28.512	276	71107	4.985	ng	# 92
88) Benzo(b)fluoranthene	24.076	252	25735	2.321	ng	93
89) Benzo(k)fluoranthene	24.076	252	25735	2.332	ng	94
90) Benzo(a)pyrene	24.687	252	114666	12.107	ng	97
92) Benzo(g,h,i)perylene	29.657	276	61572	5.318	ng	# 91

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054368.D
Acq On : 22 Jul 2022 20:46
Operator : CG/JU
Sample : N3830-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

Quant Time: Jul 23 00:12:37 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

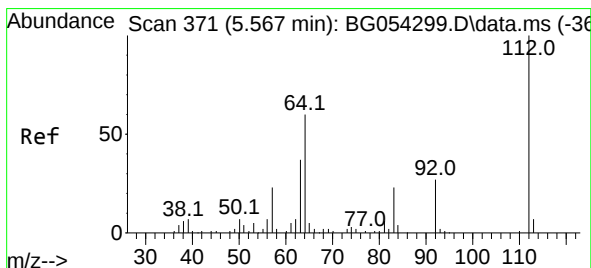
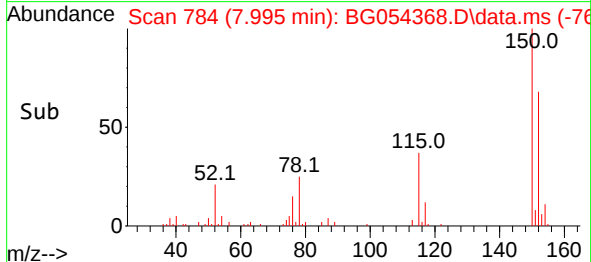
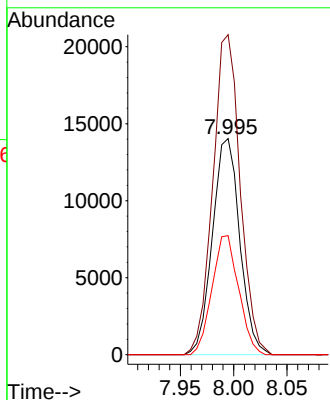
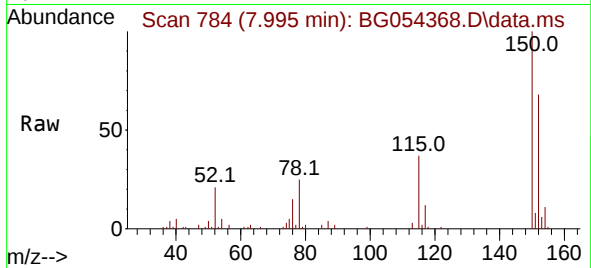




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.995 min Scan# 785
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

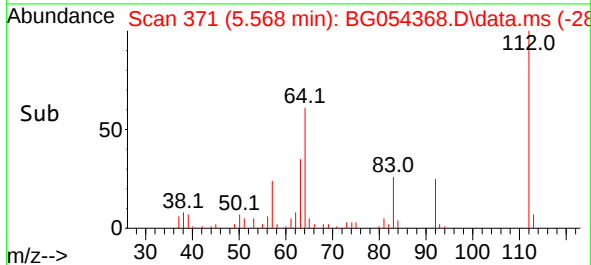
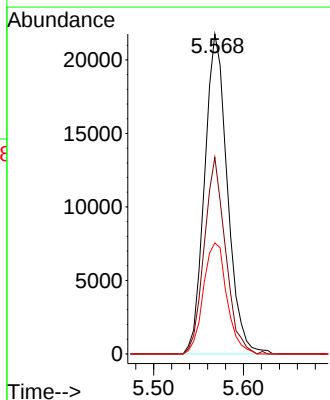
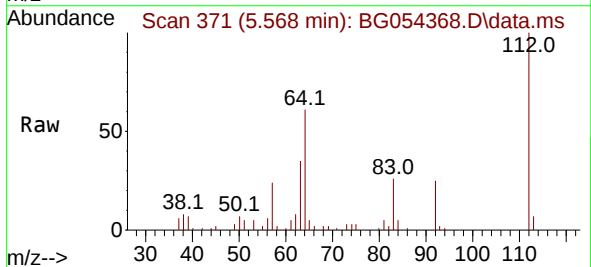
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

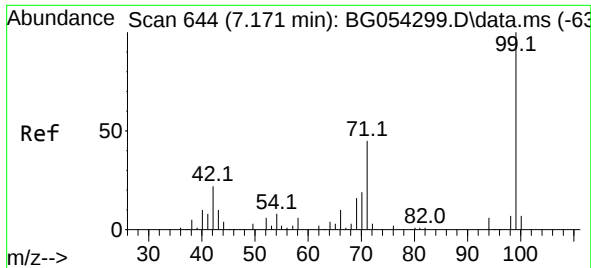
Tgt Ion:152 Resp: 24978
Ion Ratio Lower Upper
152 100
150 148.0 131.6 197.4
115 55.1 50.9 76.3



#5
2-Fluorophenol
Concen: 32.079 ng
RT: 5.568 min Scan# 371
Delta R.T. 0.001 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:112 Resp: 38377
Ion Ratio Lower Upper
112 100
64 61.4 55.1 82.7
63 34.7 30.4 45.6

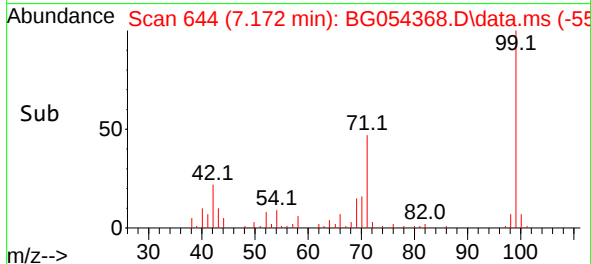
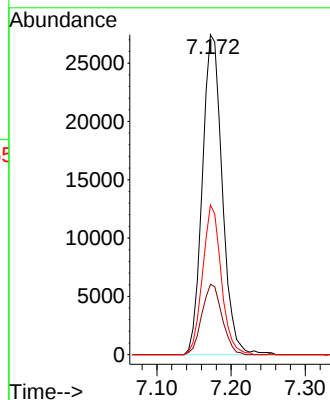
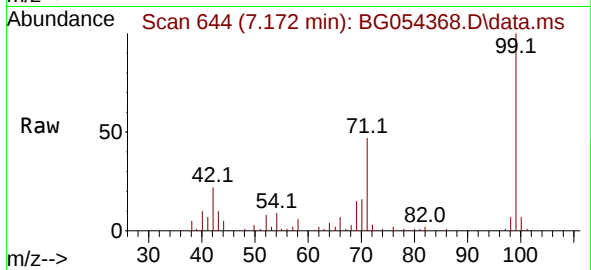




#7
Phenol-d6
Concen: 31.206 ng
RT: 7.172 min Scan# 64
Delta R.T. 0.001 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

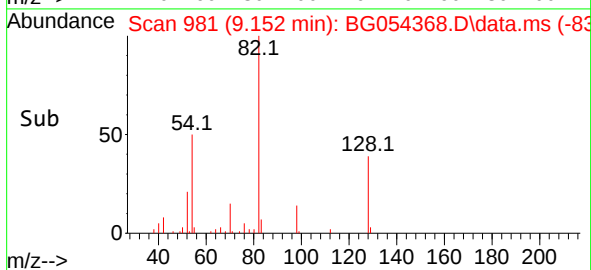
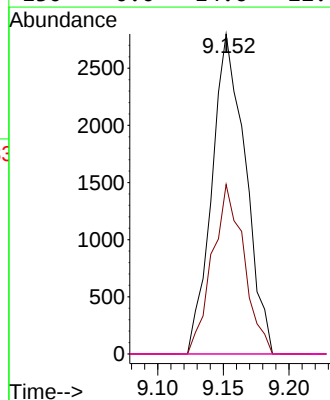
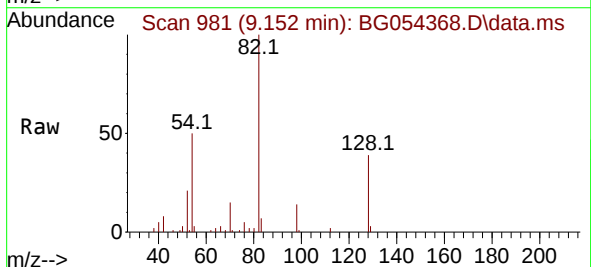
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

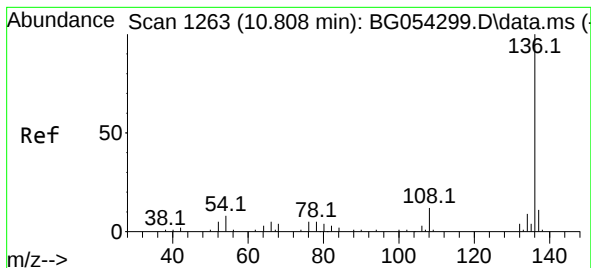
Tgt Ion: 99 Resp: 51155
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 46.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.537 ng
RT: 9.152 min Scan# 981
Delta R.T. 0.347 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion: 70 Resp: 4967
Ion Ratio Lower Upper
70 100
42 53.0 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: 10.803 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG054368.D

Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721

Tgt Ion:136 Resp: 92566

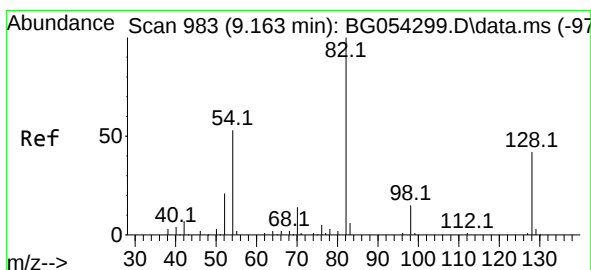
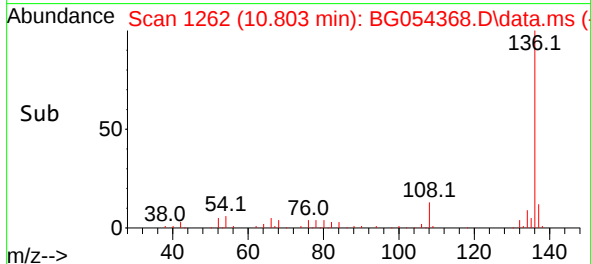
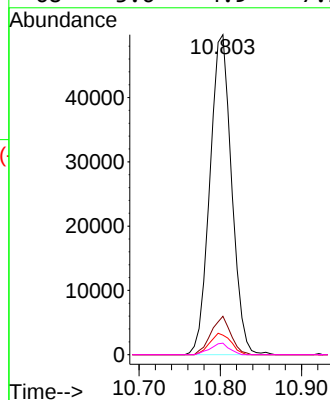
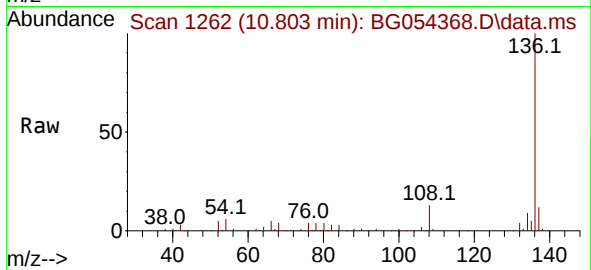
Ion Ratio Lower Upper

136 100

137 12.0 8.5 12.7

54 6.1 7.4 11.2#

68 3.6 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 20.432 ng

RT: 9.152 min Scan# 981

Delta R.T. -0.011 min

Lab File: BG054368.D

Acq: 22 Jul 2022 20:46

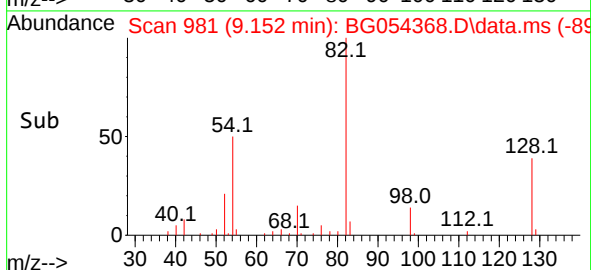
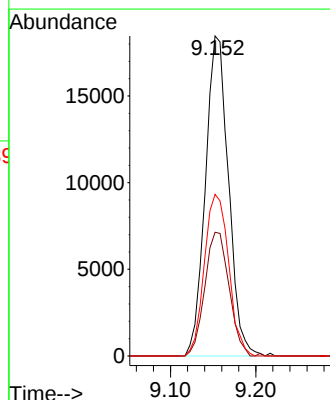
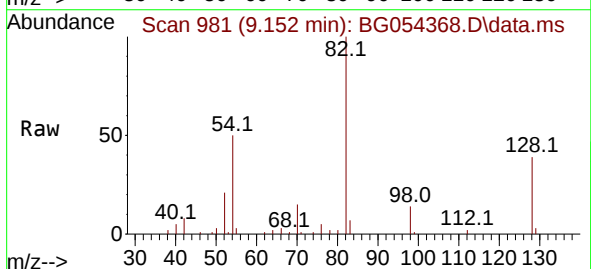
Tgt Ion: 82 Resp: 34730

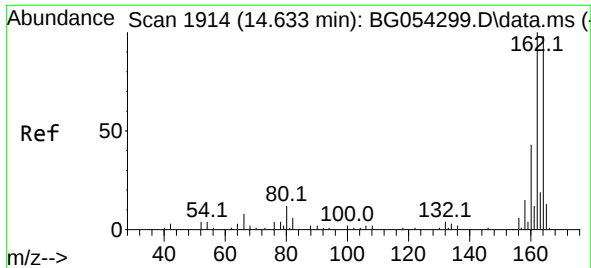
Ion Ratio Lower Upper

82 100

128 38.7 27.9 41.9

54 50.5 41.2 61.8

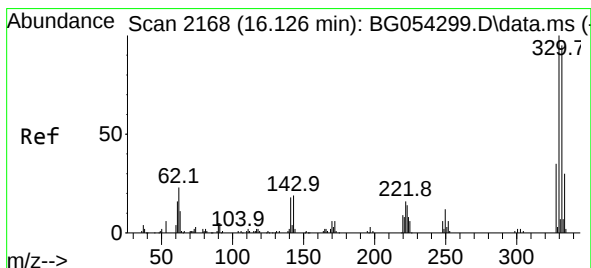
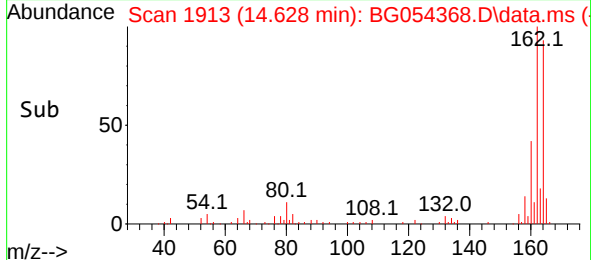
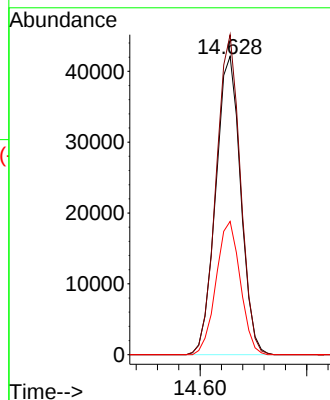
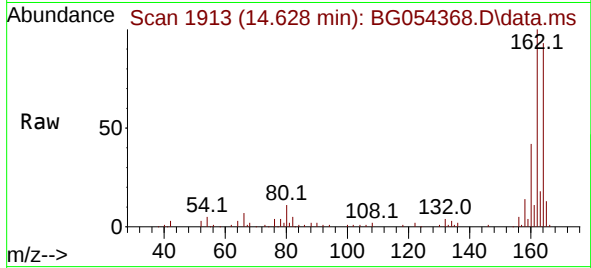




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.628 min Scan# 1913
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

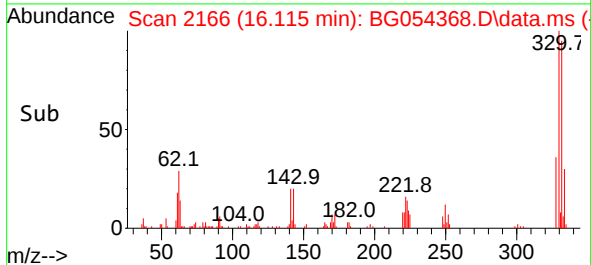
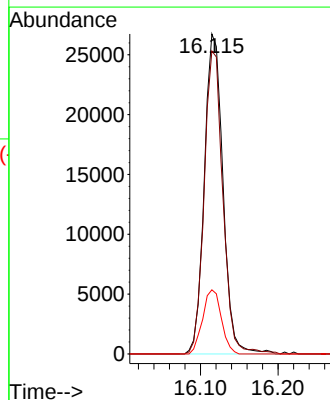
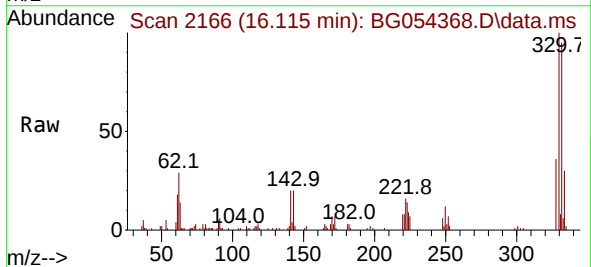
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

Tgt Ion:164 Resp: 68275
Ion Ratio Lower Upper
164 100
162 107.3 82.3 123.5
160 44.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 31.172 ng
RT: 16.115 min Scan# 2166
Delta R.T. -0.011 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:330 Resp: 44685
Ion Ratio Lower Upper
330 100
332 94.8 76.0 114.0
141 20.1 27.1 40.7#

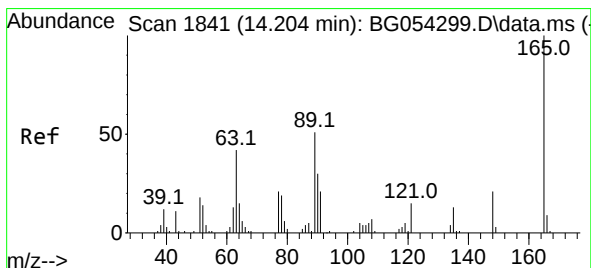
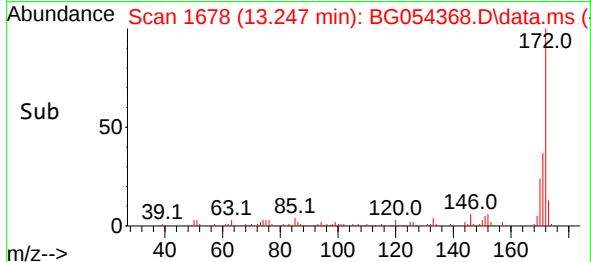
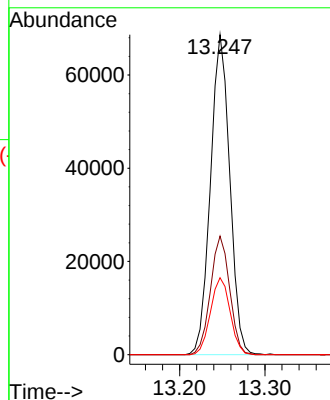
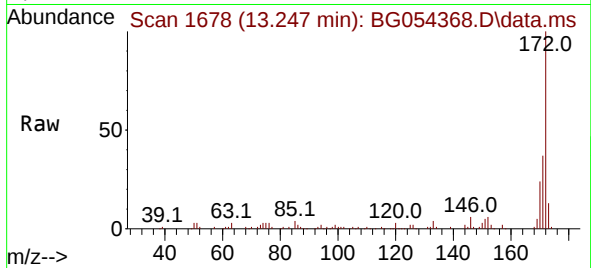




#45
2-Fluorobiphenyl
Concen: 22.311 ng
RT: 13.247 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

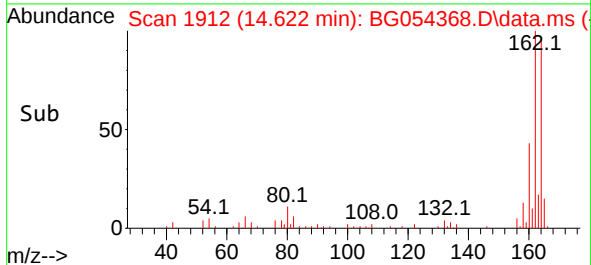
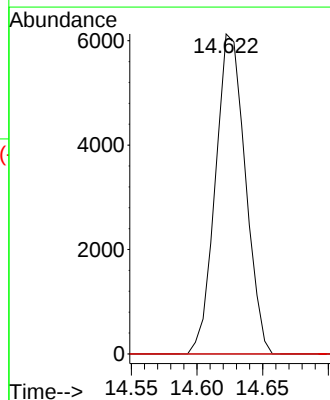
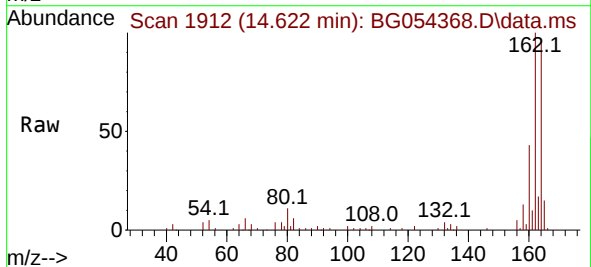
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

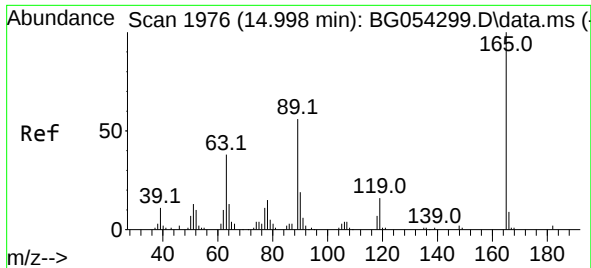
Tgt Ion:172 Resp: 107983
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.297 ng
RT: 14.622 min Scan# 1912
Delta R.T. 0.418 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:165 Resp: 9705
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

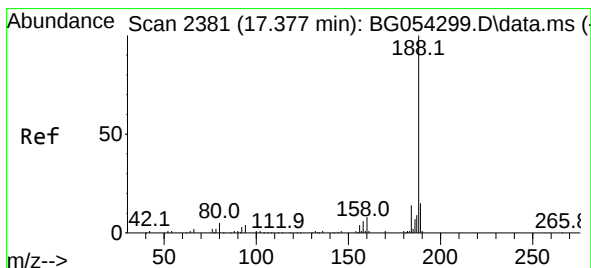
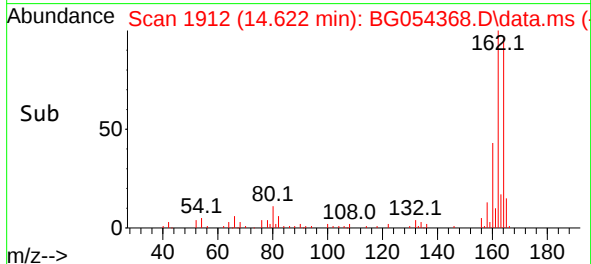
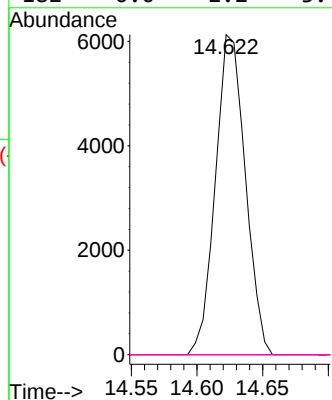
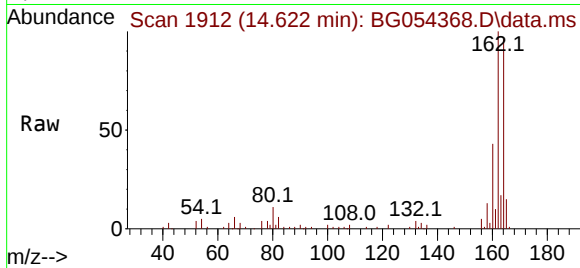




#57
2,4-Dinitrotoluene
Concen: 5.787 ng
RT: 14.622 min Scan# 1976
Delta R.T. -0.375 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

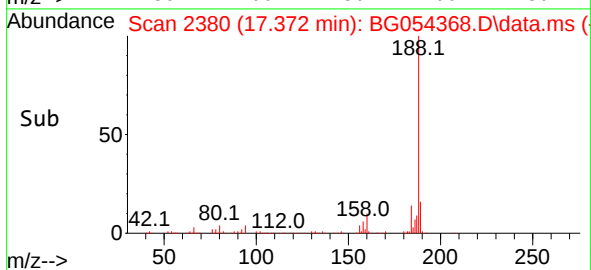
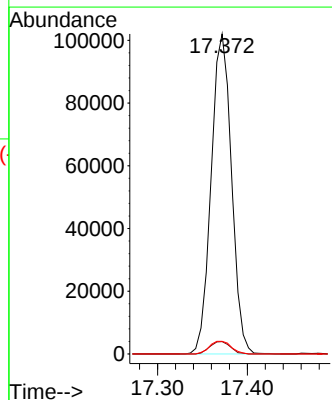
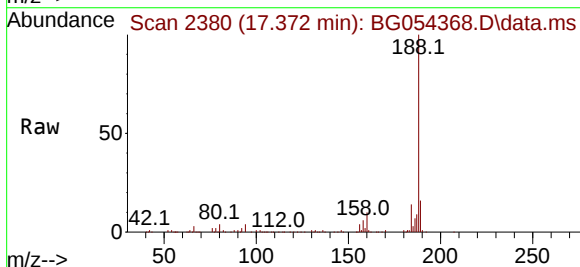
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

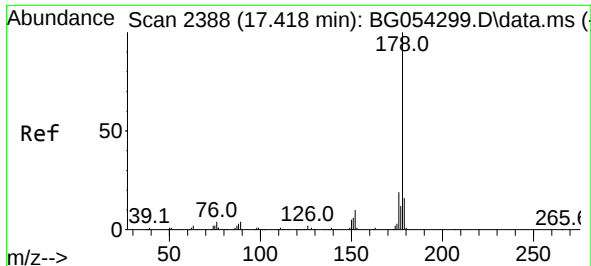
Tgt Ion:165	Resp:	9705
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6
89	0.0	60.3
182	0.0	2.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2380
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:188	Resp:	160422
Ion Ratio	Lower	Upper
188	100	
94	3.8	5.4
80	3.9	6.8

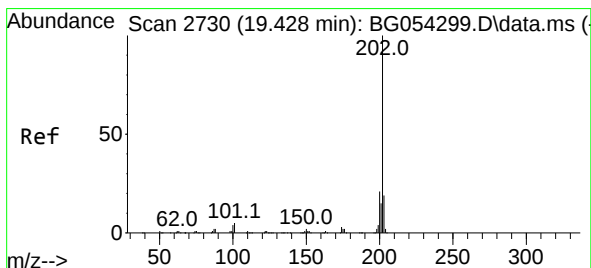
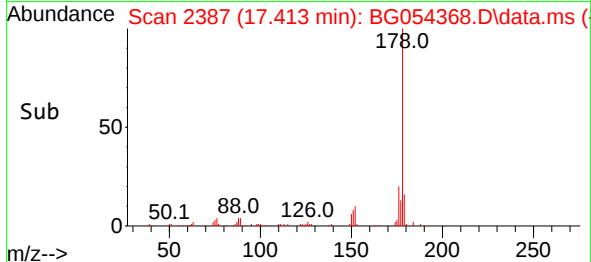
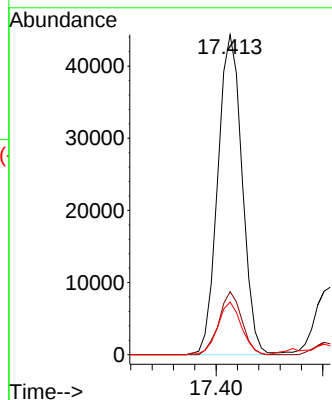
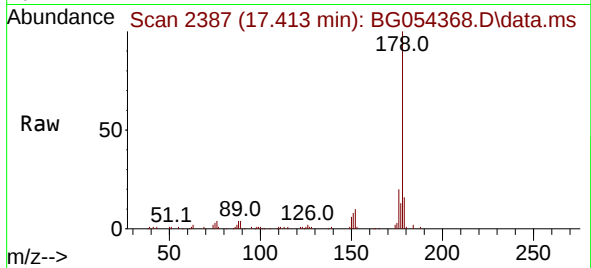




#71
Phenanthrene
Concen: 8.781 ng
RT: 17.413 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

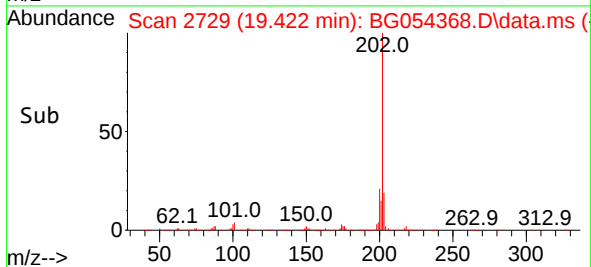
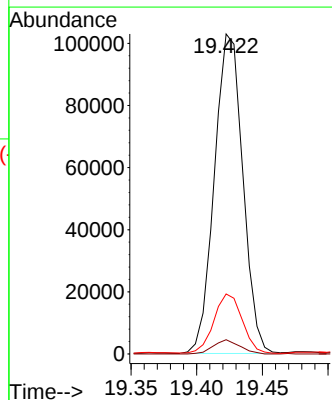
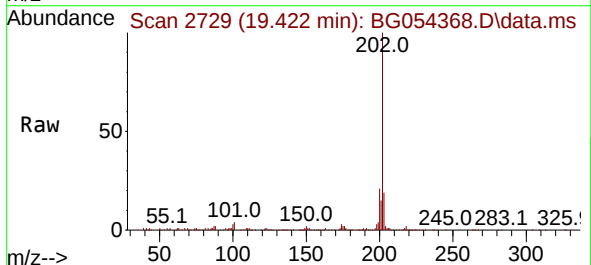
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

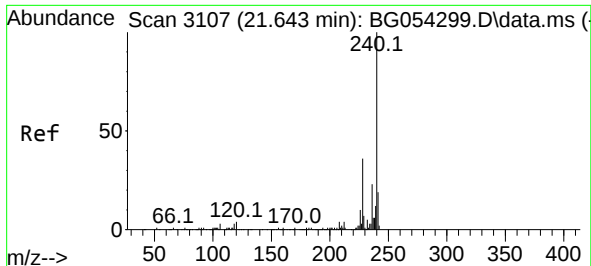
Tgt Ion:178 Resp: 70151
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.4 12.1 18.1



#75
Fluoranthene
Concen: 14.240 ng
RT: 19.422 min Scan# 2729
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:202 Resp: 155074
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 18.7 0.0 37.2

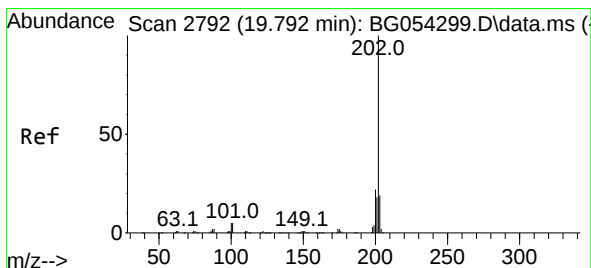
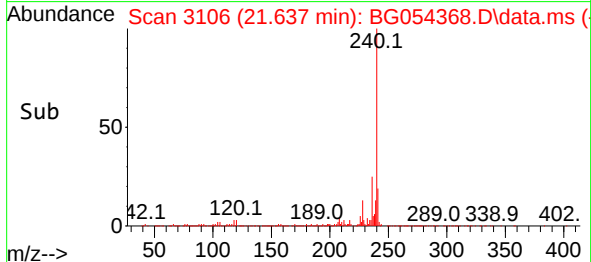
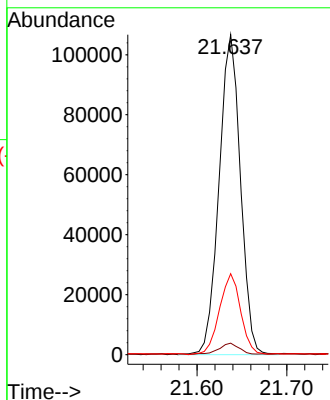
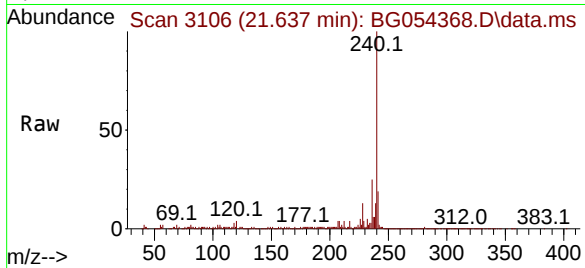




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

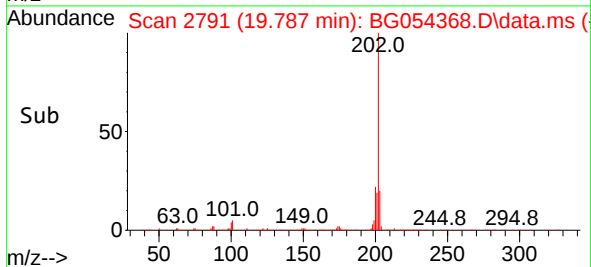
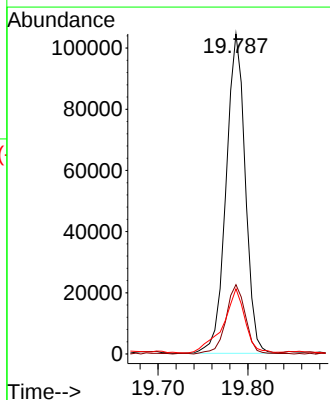
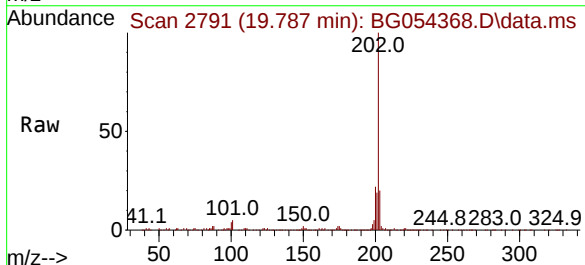
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

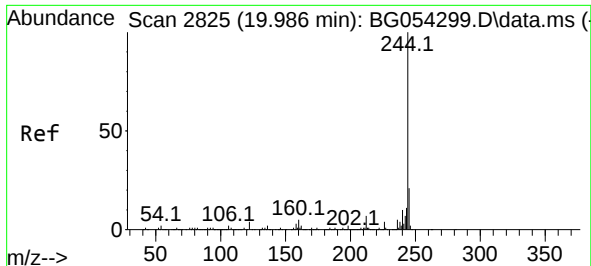
Tgt Ion:240 Resp: 176281
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 25.3 20.2 30.4



#78
Pyrene
Concen: 15.298 ng
RT: 19.787 min Scan# 2791
Delta R.T. -0.005 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:202 Resp: 154741
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 20.4 14.6 21.8

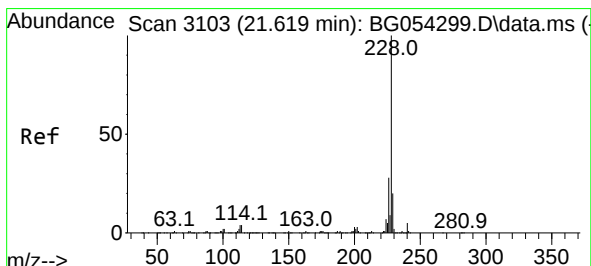
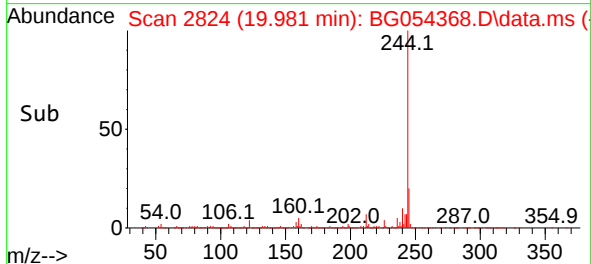
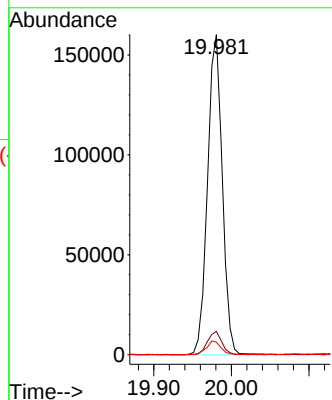
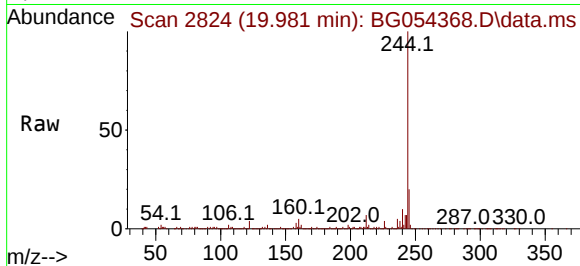




#79
 Terphenyl-d14
 Concen: 23.741 ng
 RT: 19.981 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054368.D
 Acq: 22 Jul 2022 20:46

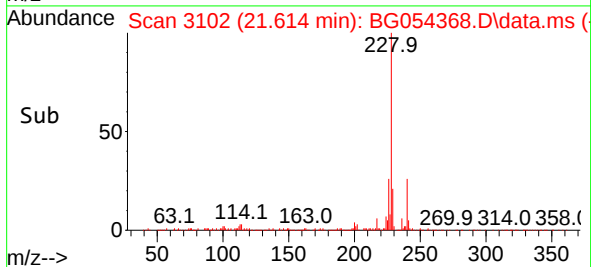
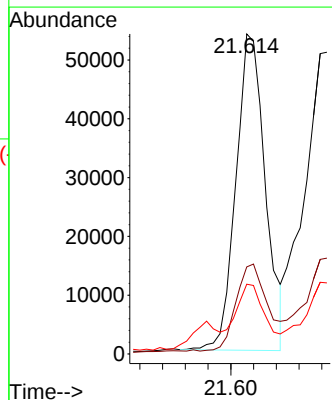
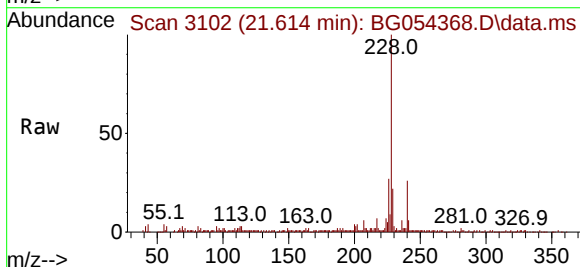
Instrument :
 BNA_G
 ClientSampleId :
 HS-SOIL-0721

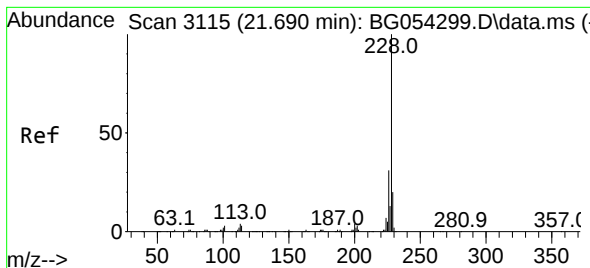
Tgt Ion:244 Resp: 210960
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 3.9 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 8.630 ng
 RT: 21.614 min Scan# 3102
 Delta R.T. -0.005 min
 Lab File: BG054368.D
 Acq: 22 Jul 2022 20:46

Tgt Ion:228 Resp: 96570
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 21.8 16.2 24.2





#83

Chrysene

Concen: 9.134 ng

RT: 21.614 min Scan# 3115

Delta R.T. -0.076 min

Lab File: BG054368.D

Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721

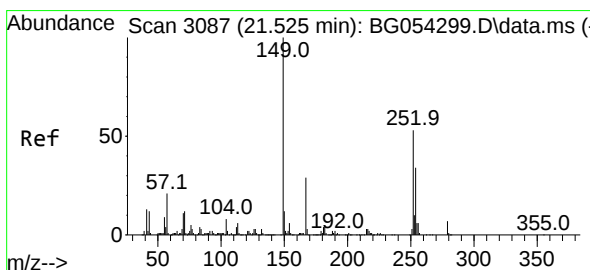
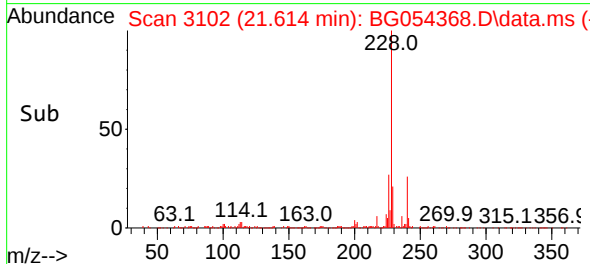
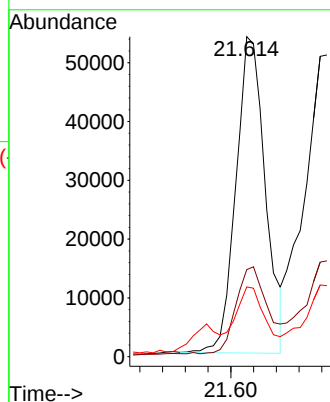
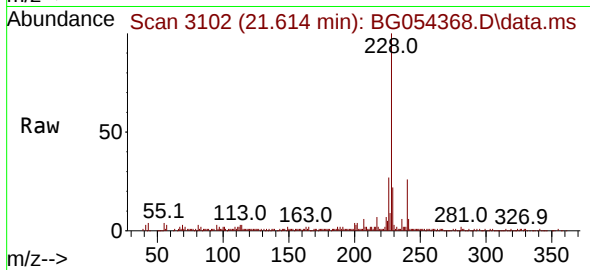
Tgt Ion:228 Resp: 96570

Ion Ratio Lower Upper

228 100

226 27.2 23.4 35.2

229 21.8 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.642 ng

RT: 21.520 min Scan# 3086

Delta R.T. -0.005 min

Lab File: BG054368.D

Acq: 22 Jul 2022 20:46

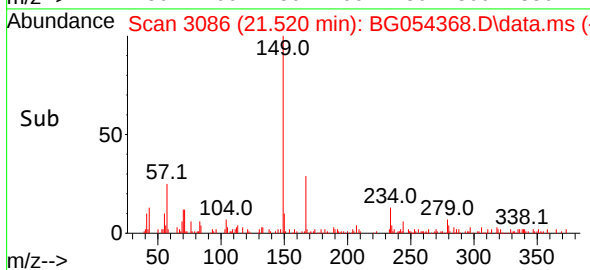
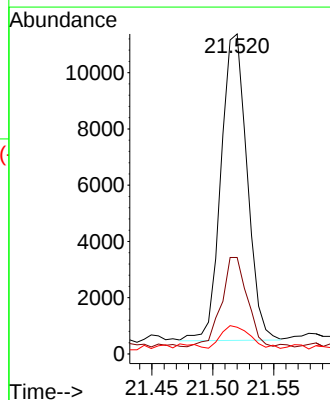
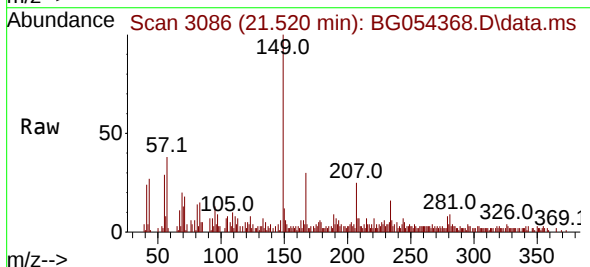
Tgt Ion:149 Resp: 16243

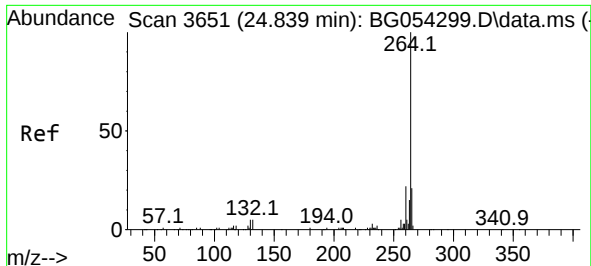
Ion Ratio Lower Upper

149 100

167 30.2 20.2 30.4

279 8.4 3.6 5.4

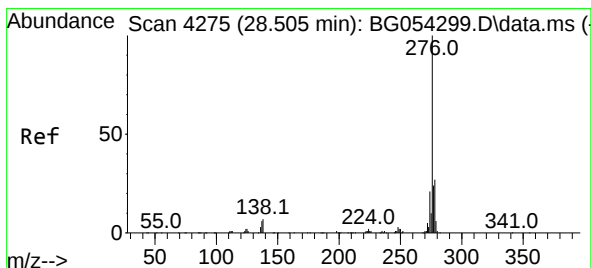
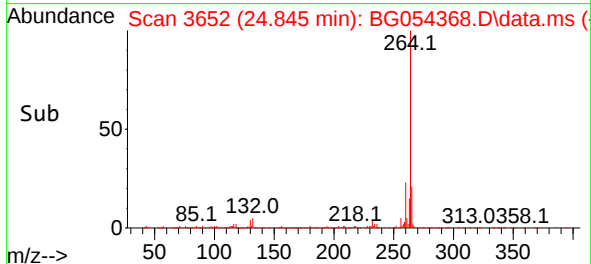
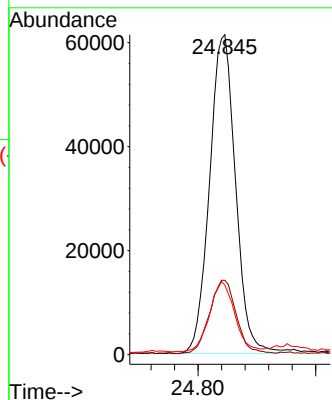
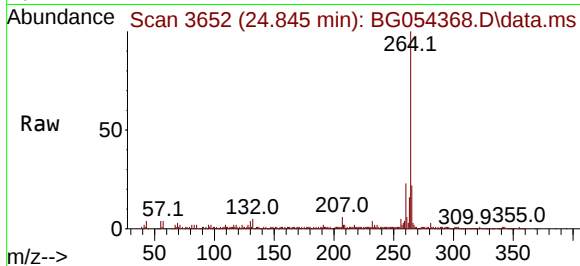




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.845 min Scan# 30
 Delta R.T. 0.007 min
 Lab File: BG054368.D
 Acq: 22 Jul 2022 20:46

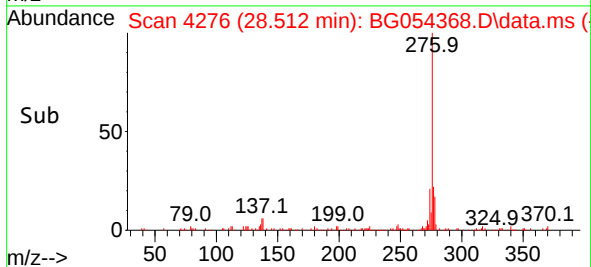
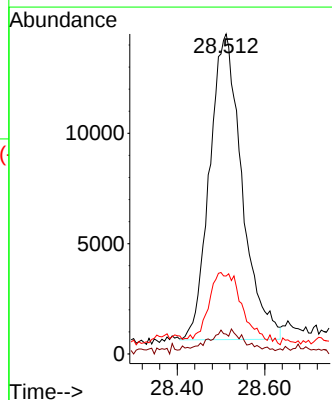
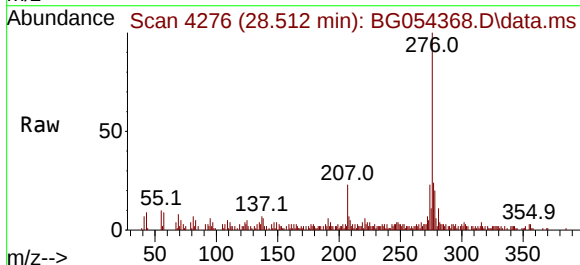
Instrument :
 BNA_G
 ClientSampleId :
 HS-SOIL-0721

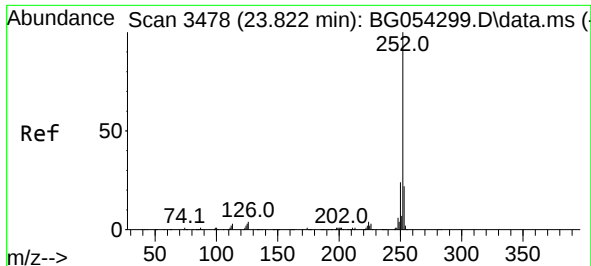
Tgt Ion:264 Resp: 187521
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.0 28.6
 265 21.7 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.985 ng
 RT: 28.512 min Scan# 4276
 Delta R.T. 0.007 min
 Lab File: BG054368.D
 Acq: 22 Jul 2022 20:46

Tgt Ion:276 Resp: 71107
 Ion Ratio Lower Upper
 276 100
 138 3.0 5.0 7.4#
 277 21.8 20.3 30.5

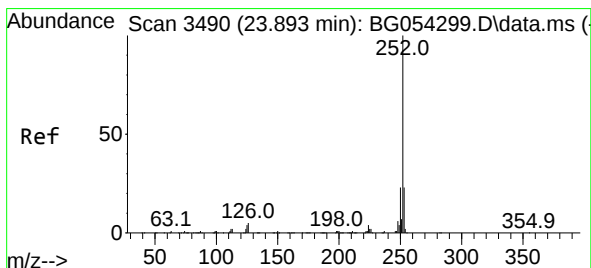
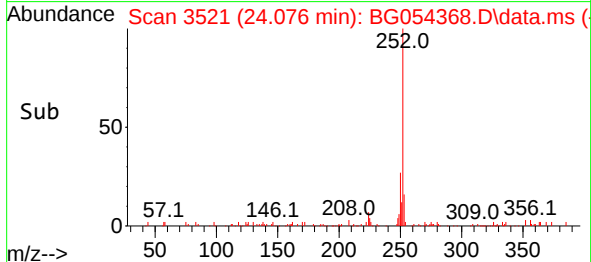
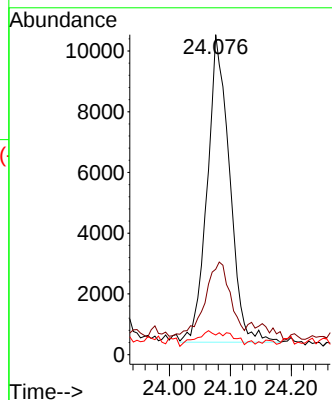
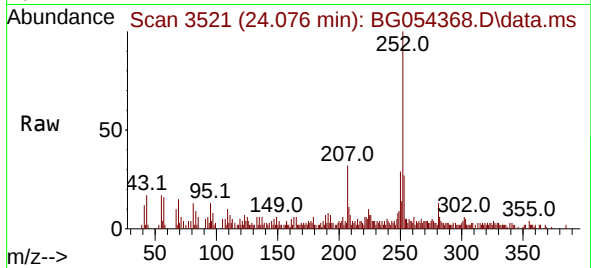




#88
Benzo(b)fluoranthene
Concen: 2.321 ng
RT: 24.076 min Scan# 3521
Delta R.T. 0.253 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

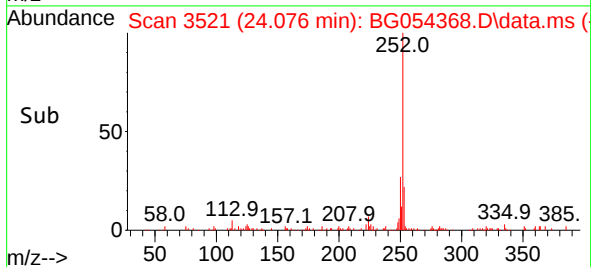
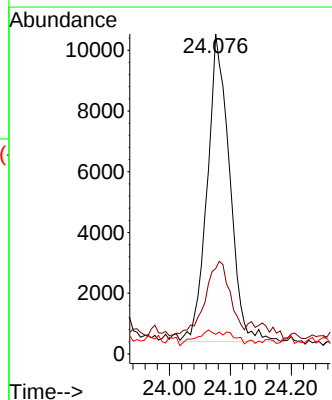
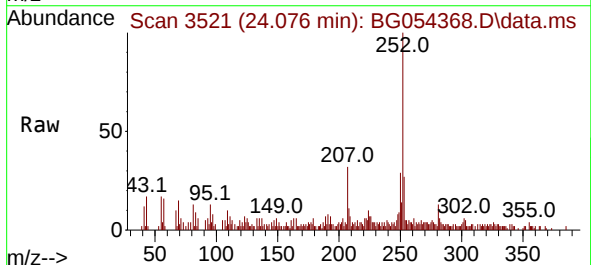
Instrument :
BNA_G
ClientSampleId :
HS-SOIL-0721

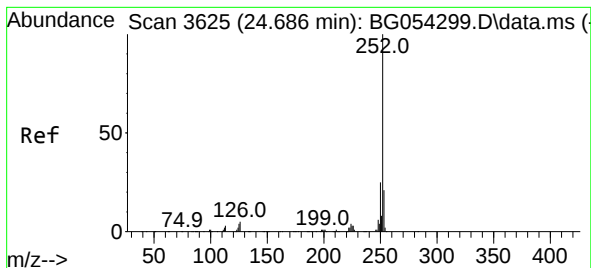
Tgt Ion:	252	Resp:	25735
Ion Ratio	Lower	Upper	
252	100		
253	26.7	18.0	27.0
125	6.2	4.6	6.8



#89
Benzo(k)fluoranthene
Concen: 2.332 ng
RT: 24.076 min Scan# 3521
Delta R.T. 0.183 min
Lab File: BG054368.D
Acq: 22 Jul 2022 20:46

Tgt Ion:	252	Resp:	25735
Ion Ratio	Lower	Upper	
252	100		
253	26.7	18.4	27.6
125	6.2	4.8	7.2





#90

Benzo(a)pyrene

Concen: 12.107 ng

RT: 24.687 min Scan# 3

Delta R.T. 0.001 min

Lab File: BG054368.D

Acq: 22 Jul 2022 20:46

Instrument :

BNA_G

ClientSampleId :

HS-SOIL-0721

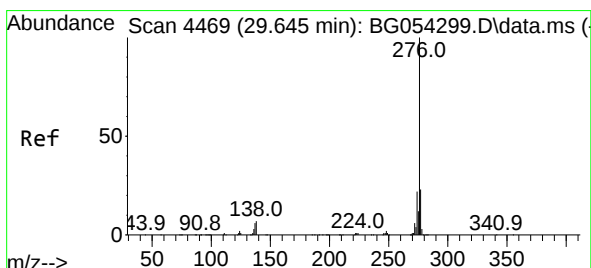
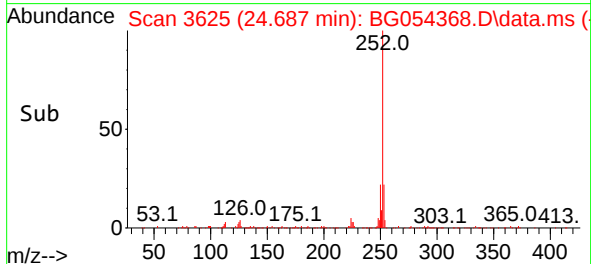
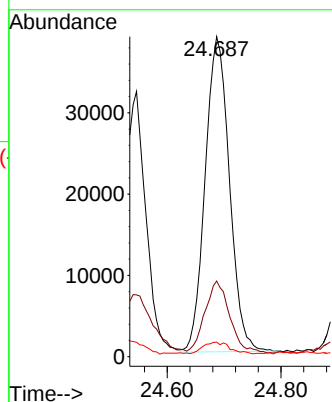
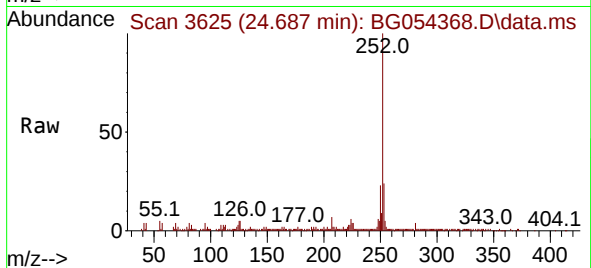
Tgt Ion:252 Resp: 114666

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

125 4.5 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 5.318 ng

RT: 29.657 min Scan# 4471

Delta R.T. 0.012 min

Lab File: BG054368.D

Acq: 22 Jul 2022 20:46

Tgt Ion:276 Resp: 61572

Ion Ratio Lower Upper

276 100

277 25.8 17.3 25.9

138 8.1 9.6 14.4#

