

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053739.D
 Acq On : 27 May 2022 18:52
 Operator : CG/JU
 Sample : N3062-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FS-SOIL-0526

Quant Time: May 28 01:59:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

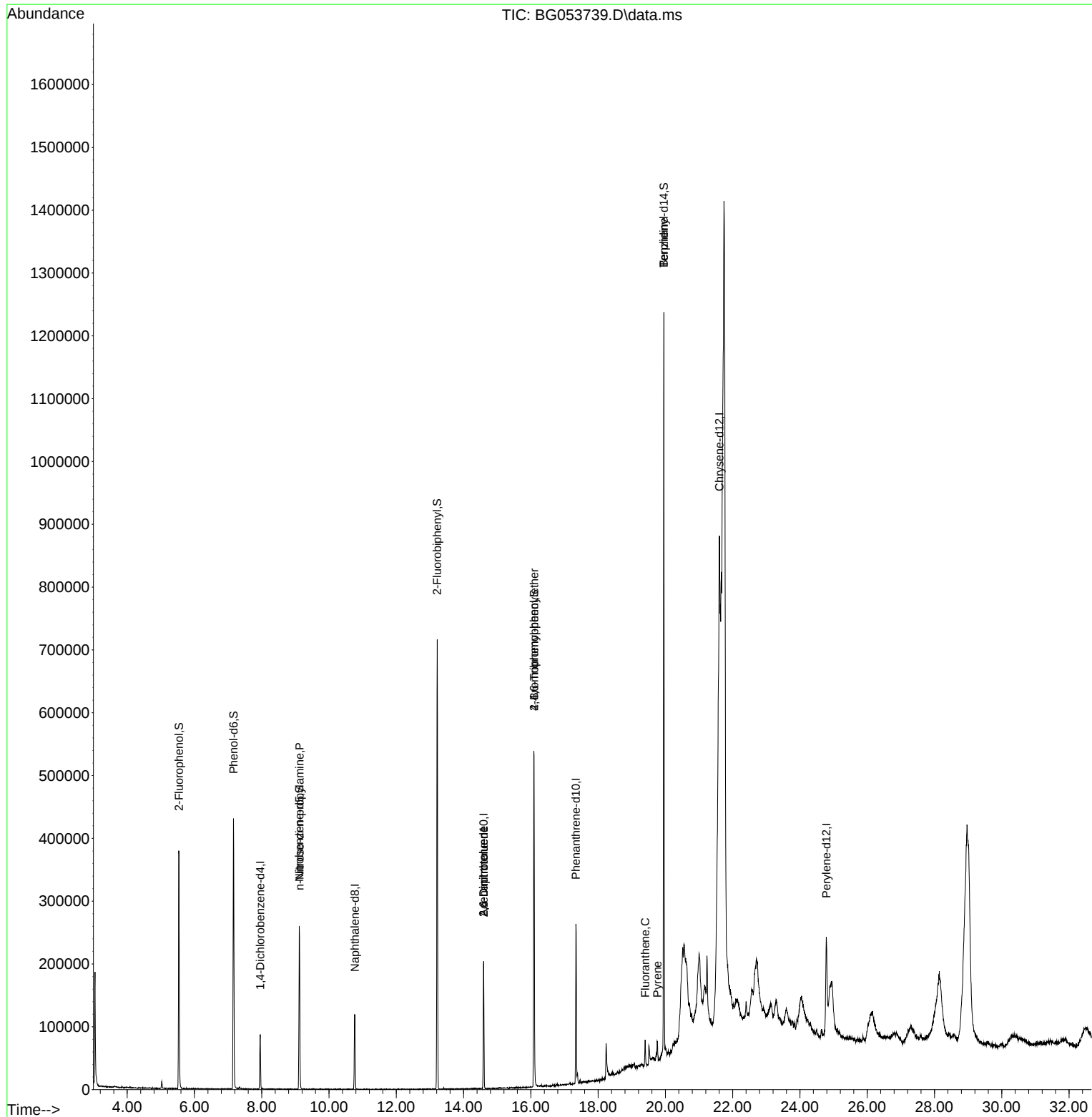
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.954	152	24006	20.000	ng	-0.03
21) Naphthalene-d8	10.767	136	96839	20.000	ng	-0.03
39) Acenaphthene-d10	14.597	164	73505	20.000	ng	-0.03
64) Phenanthrene-d10	17.341	188	159719	20.000	ng	-0.03
76) Chrysene-d12	21.606	240	134876	20.000	ng	-0.03
86) Perylene-d12	24.790	264	146261	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	154575	109.279	ng	-0.02
7) Phenol-d6	7.160	99	238657	111.173	ng	0.00
23) Nitrobenzene-d5	9.117	82	158282	69.578	ng	-0.04
42) 2,4,6-Tribromophenol	16.095	330	116143	107.132	ng	-0.02
45) 2-Fluorobiphenyl	13.217	172	371161	73.787	ng	-0.03
79) Terphenyl-d14	19.955	244	563741	77.846	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.123	70	23985	15.572	ng	# 73
51) 2,6-Dinitrotoluene	14.597	165	10402	9.141	ng	# 17
57) 2,4-Dinitrotoluene	14.597	165	10402	6.306	ng	# 22
67) 4-Bromophenyl-phenylether	16.095	248	7357	3.944	ng	# 1
75) Fluoranthene	19.403	202	25037	2.381	ng	99
77) Benzidine	19.955	184	9668	3.326	ng	# 88
78) Pyrene	19.761	202	20083	2.300	ng	99

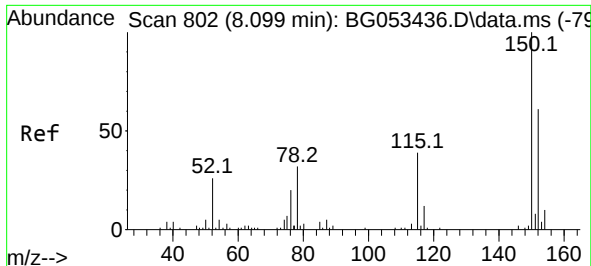
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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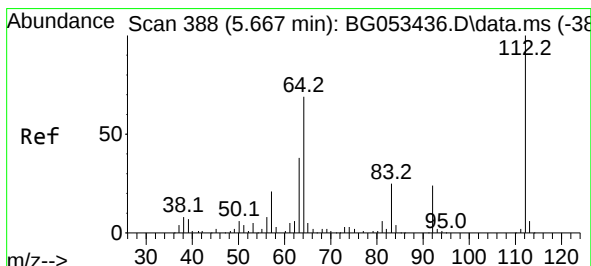
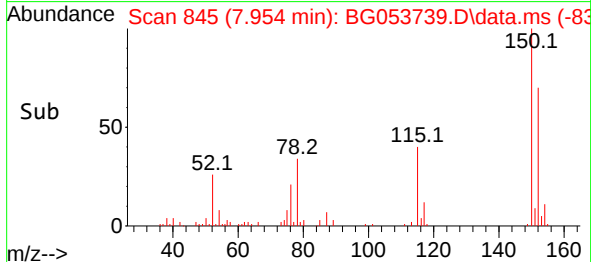
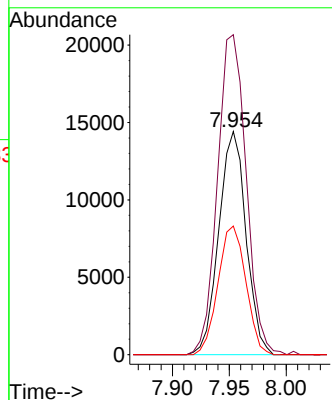
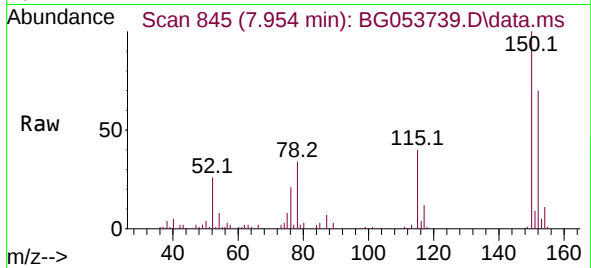




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.954 min Scan# 84
Delta R.T. -0.032 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

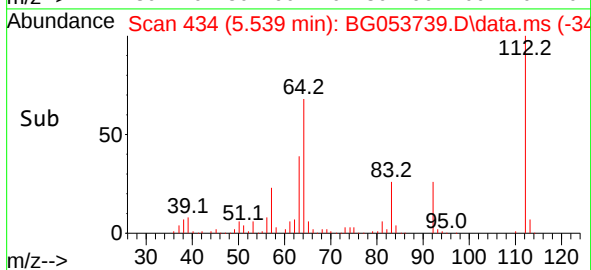
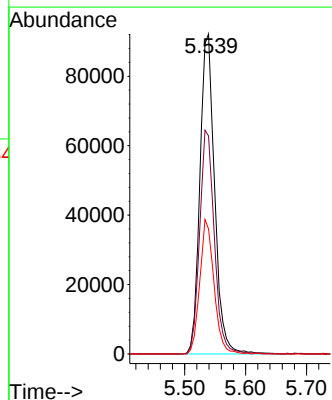
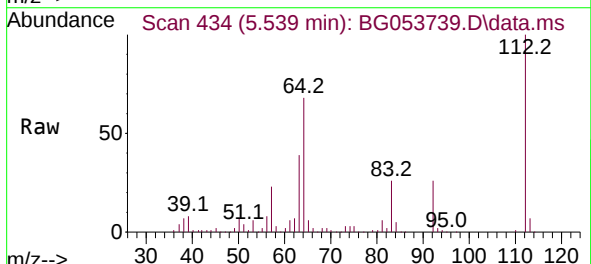
Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

Tgt Ion:152 Resp: 24006
Ion Ratio Lower Upper
152 100
150 143.4 131.6 197.4
115 57.7 50.9 76.3



#5
2-Fluorophenol
Concen: 109.279 ng
RT: 5.539 min Scan# 434
Delta R.T. -0.015 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:112 Resp: 154575
Ion Ratio Lower Upper
112 100
64 68.2 55.1 82.7
63 39.1 30.4 45.6

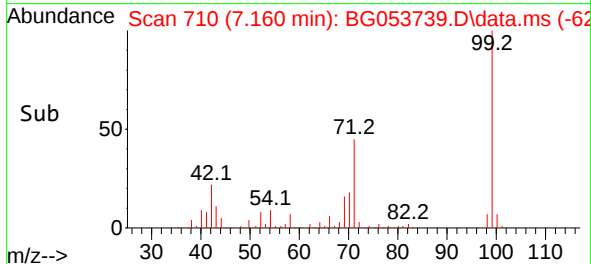
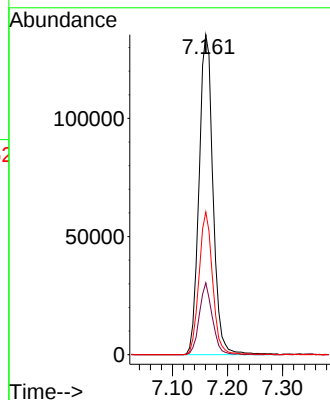
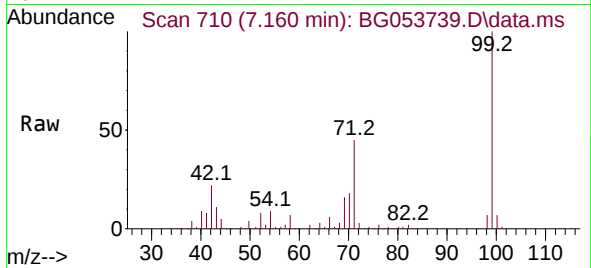




#7
Phenol-d6
Concen: 111.173 ng
RT: 7.160 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

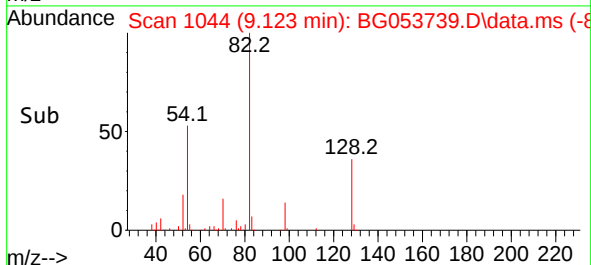
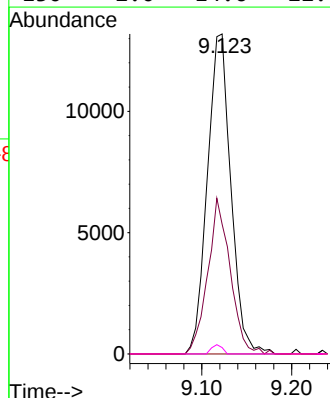
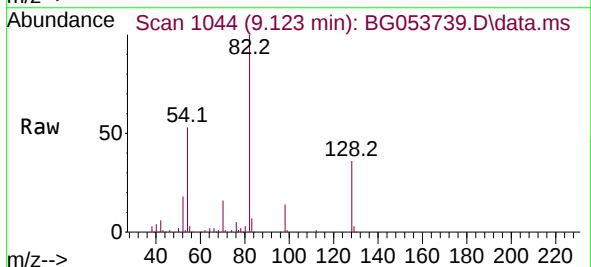
Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

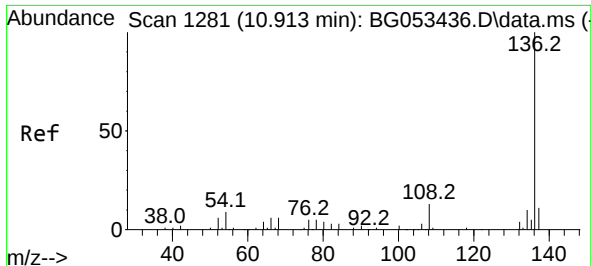
Tgt Ion: 99 Resp: 238657
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 44.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.572 ng
RT: 9.123 min Scan# 1044
Delta R.T. 0.326 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion: 70 Resp: 23985
Ion Ratio Lower Upper
70 100
42 40.5 47.3 70.9#
101 0.0 7.0 10.4#
130 2.0 14.6 22.0#

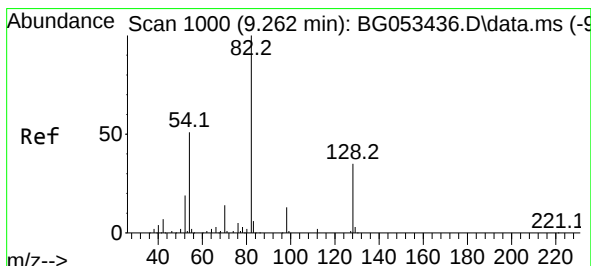
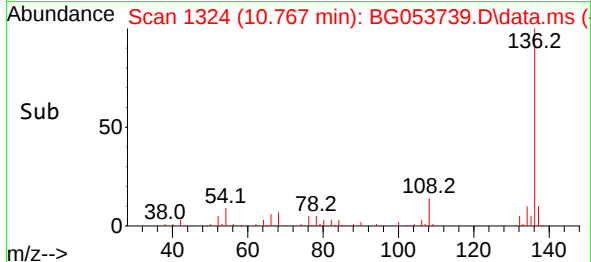
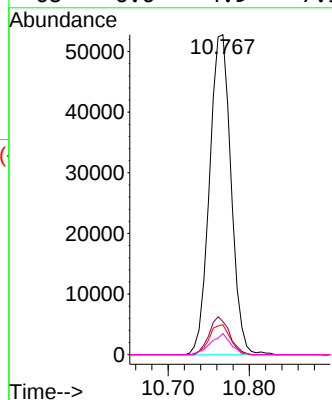
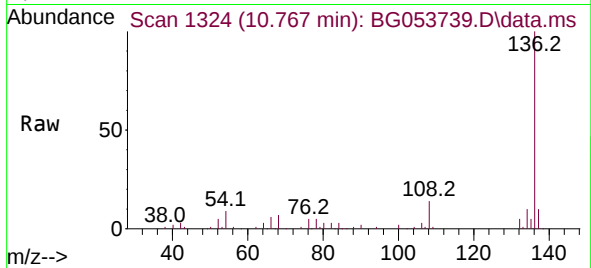




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

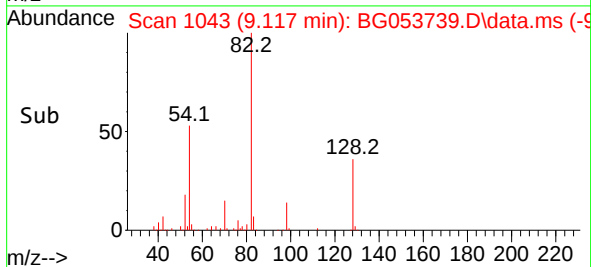
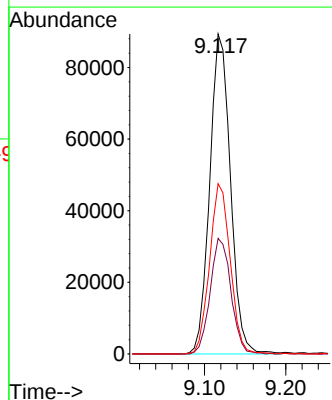
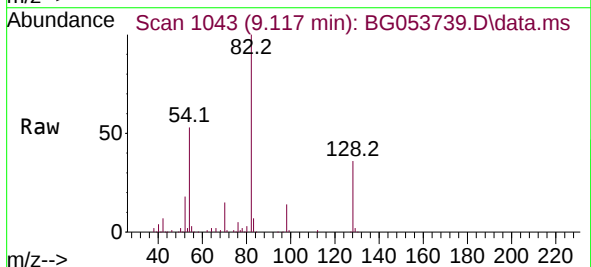
Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

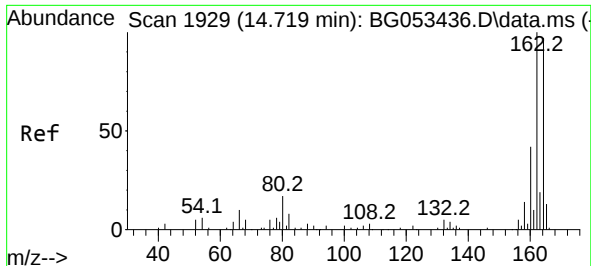
Tgt Ion:	136	Resp:	96839
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	9.3	7.4	11.2
68	6.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 69.578 ng
RT: 9.117 min Scan# 1043
Delta R.T. -0.039 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

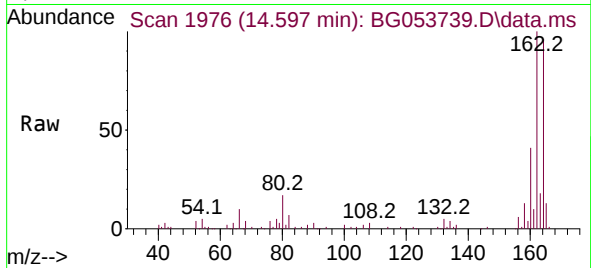
Tgt Ion:	82	Resp:	158282
Ion Ratio	Lower	Upper	
82	100		
128	36.1	27.9	41.9
54	53.2	41.2	61.8



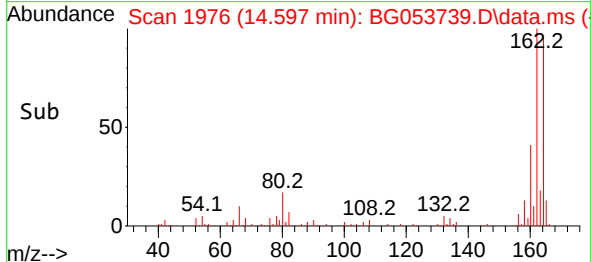
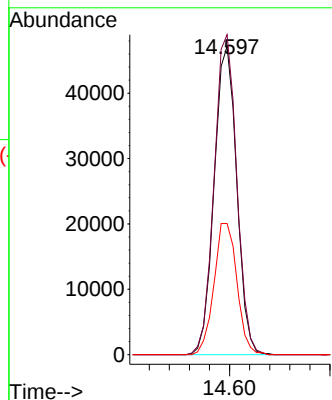


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.597 min Scan# 14
Delta R.T. -0.027 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

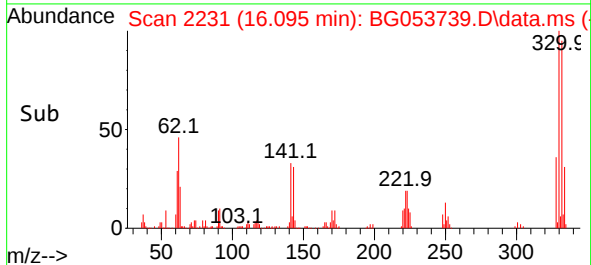
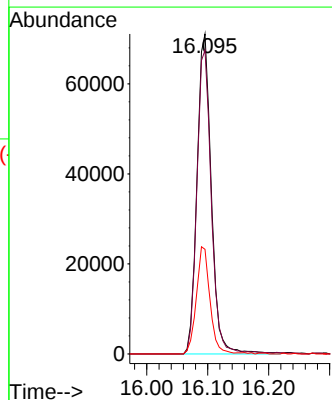
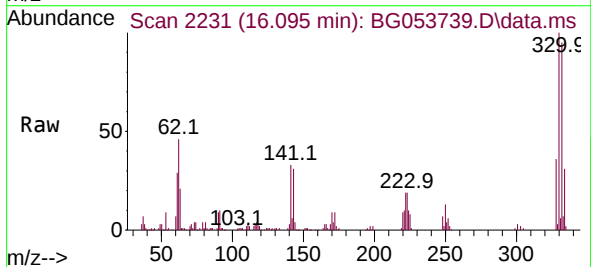


Tgt Ion:164 Resp: 73505
Ion Ratio Lower Upper
164 100
162 103.8 82.3 123.5
160 42.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 107.132 ng
RT: 16.095 min Scan# 2231
Delta R.T. -0.021 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:330 Resp: 116143
Ion Ratio Lower Upper
330 100
332 95.4 76.0 114.0
141 31.8 27.1 40.7

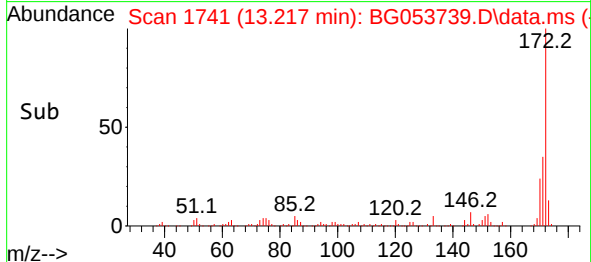
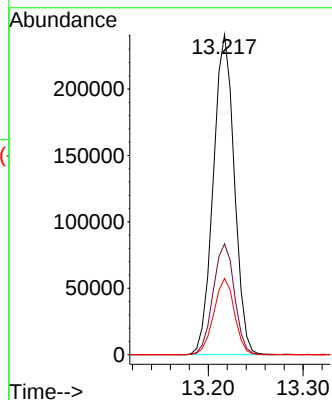
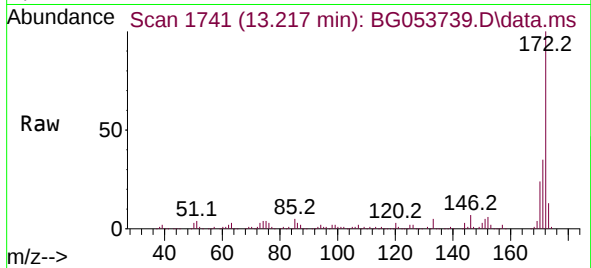




#45
2-Fluorobiphenyl
Concen: 73.787 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

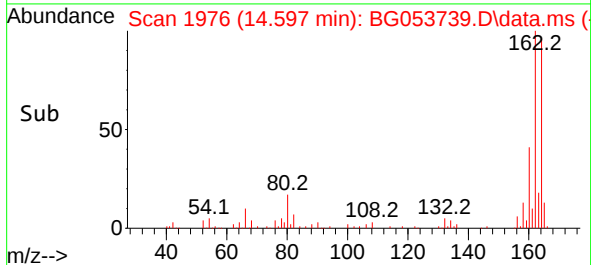
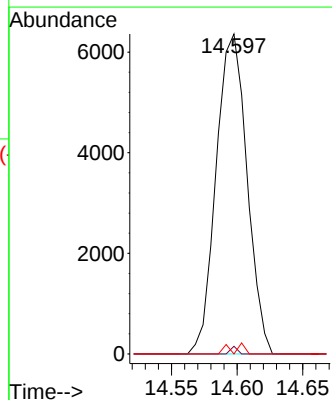
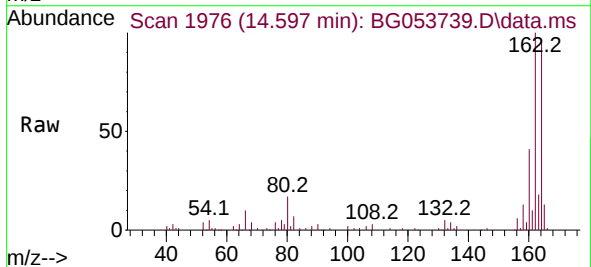
Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

Tgt Ion:172 Resp: 371161
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 23.8 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.141 ng
RT: 14.597 min Scan# 1976
Delta R.T. 0.396 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:165 Resp: 10402
Ion Ratio Lower Upper
165 100
63 2.4 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 6.306 ng

RT: 14.597 min Scan# 14

Delta R.T. -0.397 min

Lab File: BG053739.D

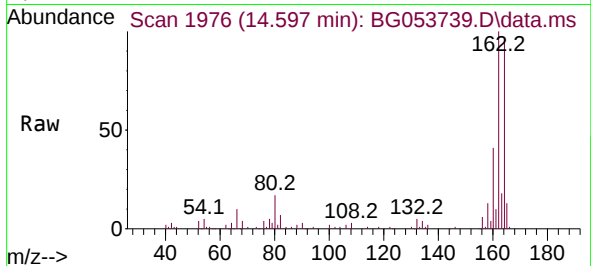
Acq: 27 May 2022 18:52

Instrument :

BNA_G

ClientSampleId :

FS-SOIL-0526



Tgt Ion:165 Resp: 10402

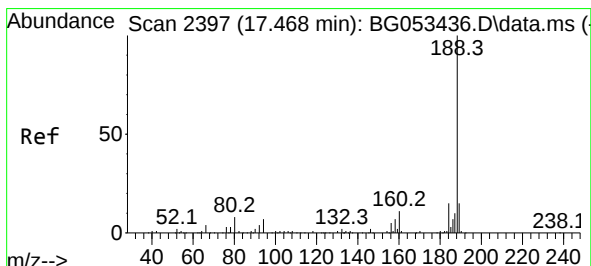
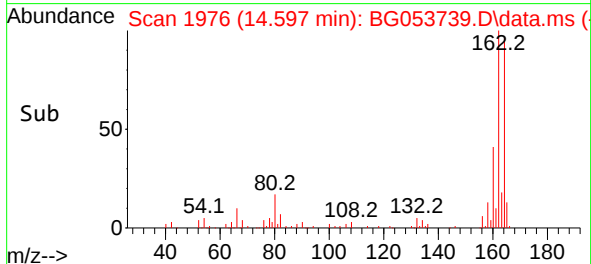
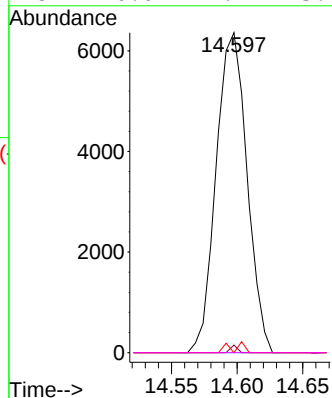
Ion Ratio Lower Upper

165 100

63 2.4 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: 17.341 min Scan# 2443

Delta R.T. -0.033 min

Lab File: BG053739.D

Acq: 27 May 2022 18:52

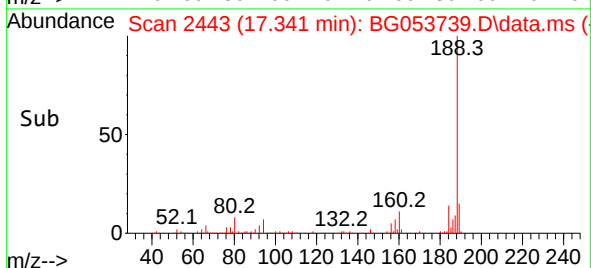
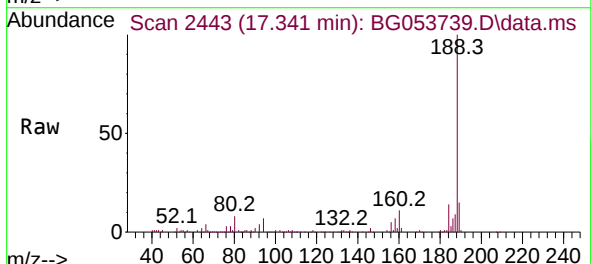
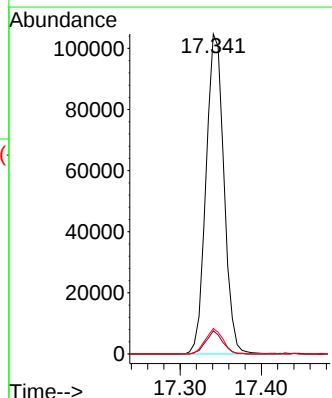
Tgt Ion:188 Resp: 159719

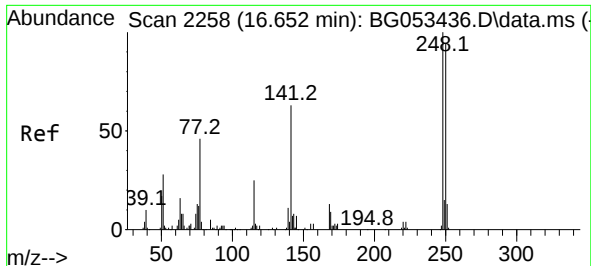
Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.0

80 8.0 6.8 10.2

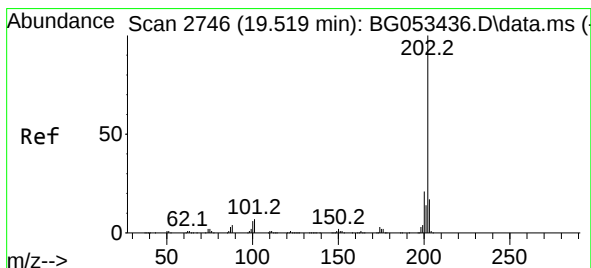
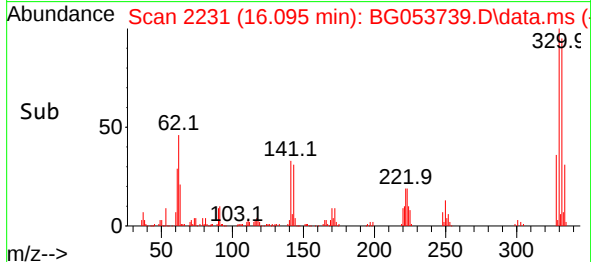
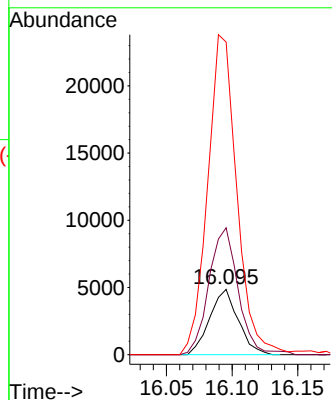
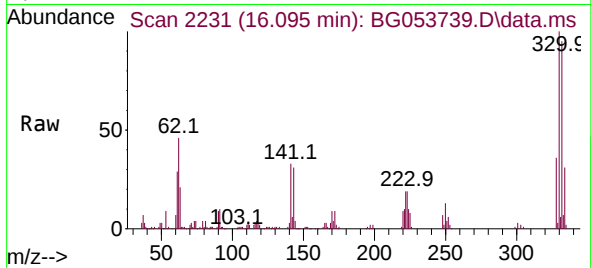




#67
4-Bromophenyl-phenylether
Concen: 3.944 ng
RT: 16.095 min Scan# 21
Delta R.T. -0.456 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

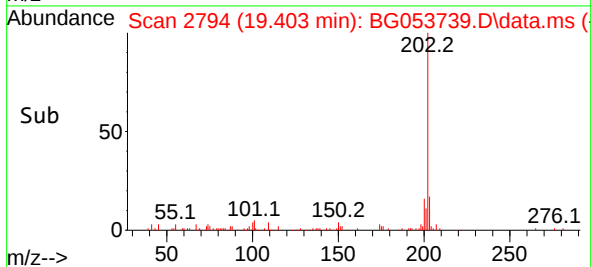
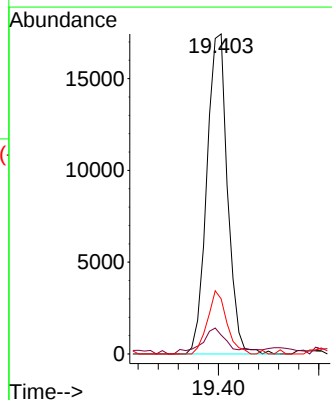
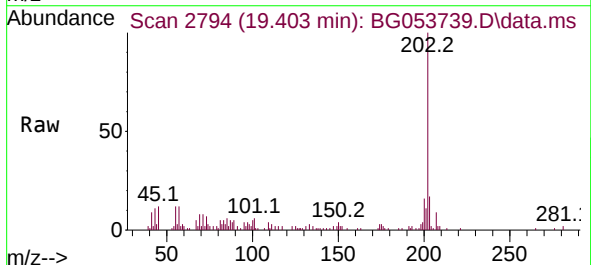
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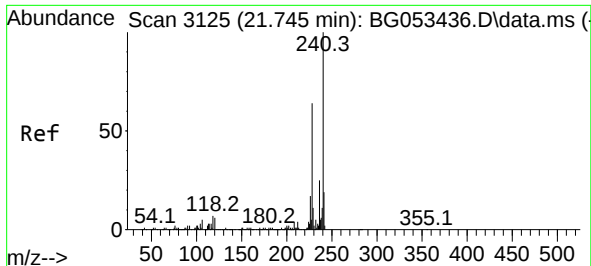
Tgt Ion:248 Resp: 7357
Ion Ratio Lower Upper
248 100
250 194.2 75.2 112.8#
141 478.3 50.0 75.0#



#75
Fluoranthene
Concen: 2.381 ng
RT: 19.403 min Scan# 2794
Delta R.T. -0.021 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:202 Resp: 25037
Ion Ratio Lower Upper
202 100
101 5.9 0.0 26.9
203 17.2 0.0 37.2

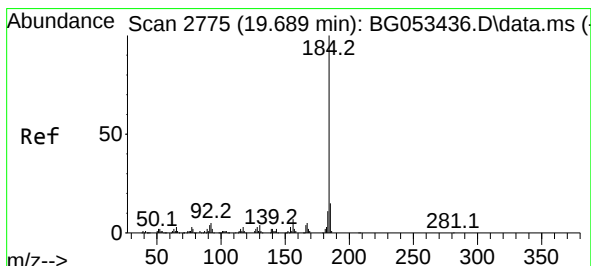
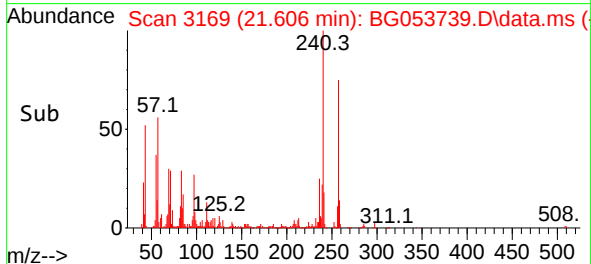
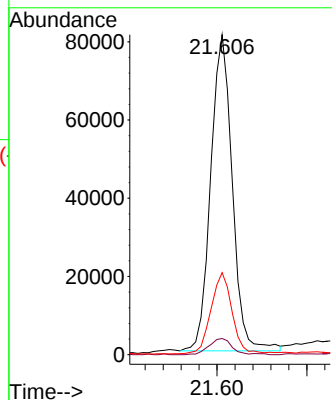
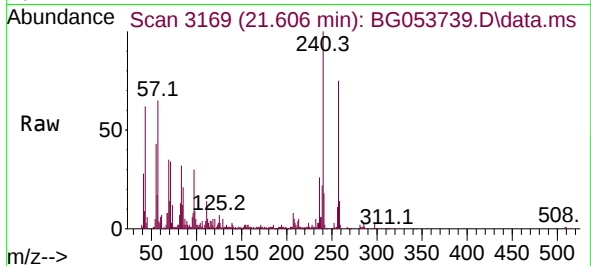




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.606 min Scan# 3125
Delta R.T. -0.033 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

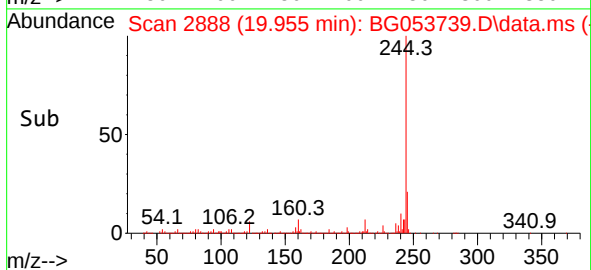
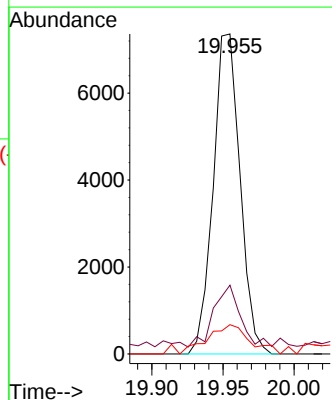
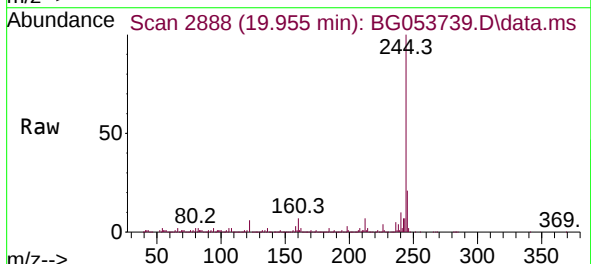
Instrument :
BNA_G
ClientSampleId :
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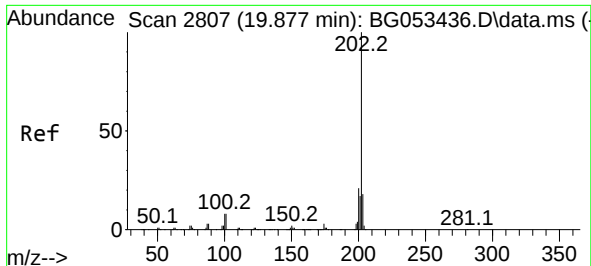
Tgt Ion:240 Resp: 134876
Ion Ratio Lower Upper
240 100
120 5.1 4.6 7.0
236 25.7 20.2 30.4



#77
Benzidine
Concen: 3.326 ng
RT: 19.955 min Scan# 2888
Delta R.T. 0.355 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:184 Resp: 9668
Ion Ratio Lower Upper
184 100
185 21.5 11.8 17.6#
183 9.1 8.9 13.3

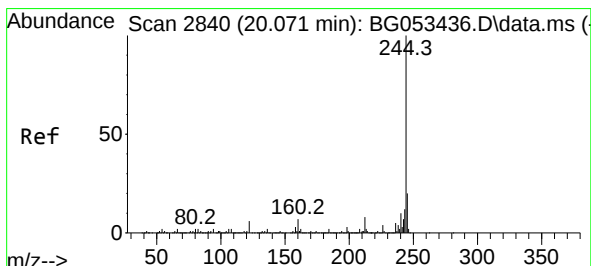
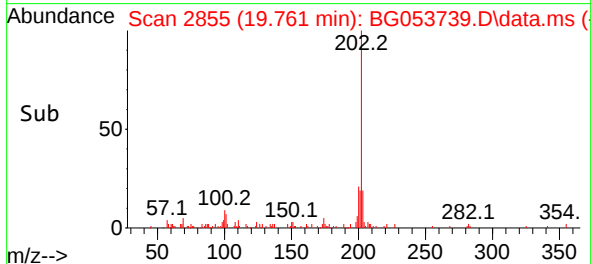
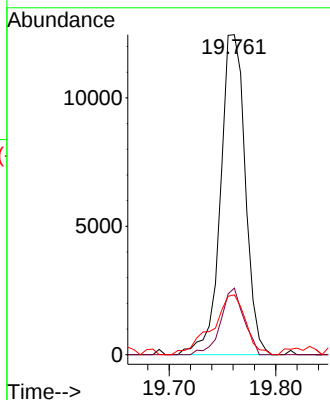
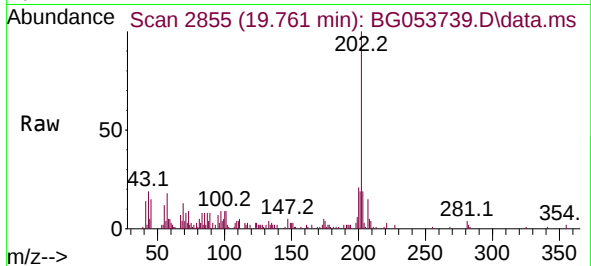




#78
 Pyrene
 Concen: 2.300 ng
 RT: 19.761 min Scan# 21
 Delta R.T. -0.027 min
 Lab File: BG053739.D
 Acq: 27 May 2022 18:52

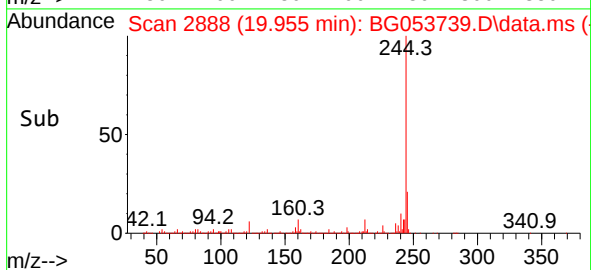
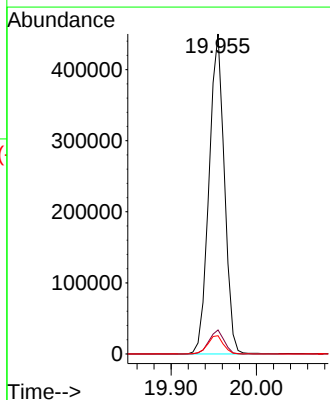
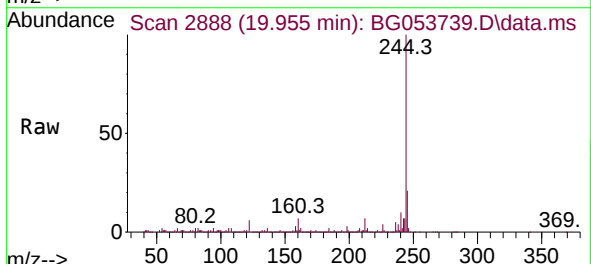
Instrument :
 BNA_G
 ClientSampleId :
 FS-SOIL-0526

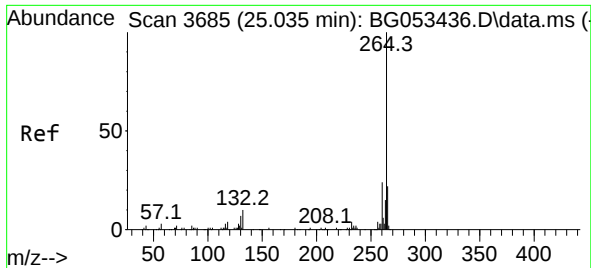
Tgt Ion:202	Resp:	20083
Ion Ratio	Lower	Upper
202	100	
200	20.8	16.6 24.8
203	18.7	14.6 21.8



#79
 Terphenyl-d14
 Concen: 77.846 ng
 RT: 19.955 min Scan# 2888
 Delta R.T. -0.021 min
 Lab File: BG053739.D
 Acq: 27 May 2022 18:52

Tgt Ion:244	Resp:	563741
Ion Ratio	Lower	Upper
244	100	
212	7.5	6.5 9.7
122	5.7	5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.790 min Scan# 31
 Delta R.T. -0.050 min
 Lab File: BG053739.D
 Acq: 27 May 2022 18:52

Instrument :
 BNA_G
 ClientSampleId :
 FS-SOIL-0526

Tgt Ion:264 Resp: 146261
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.0 28.6
 265 21.3 17.4 26.2

