

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
 Data File : BG055697.D
 Acq On : 18 Nov 2022 19:35
 Operator : CG/JU
 Sample : N5698-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BANK-RUN-SOIL-SAMPLE-1

Quant Time: Nov 18 23:58:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

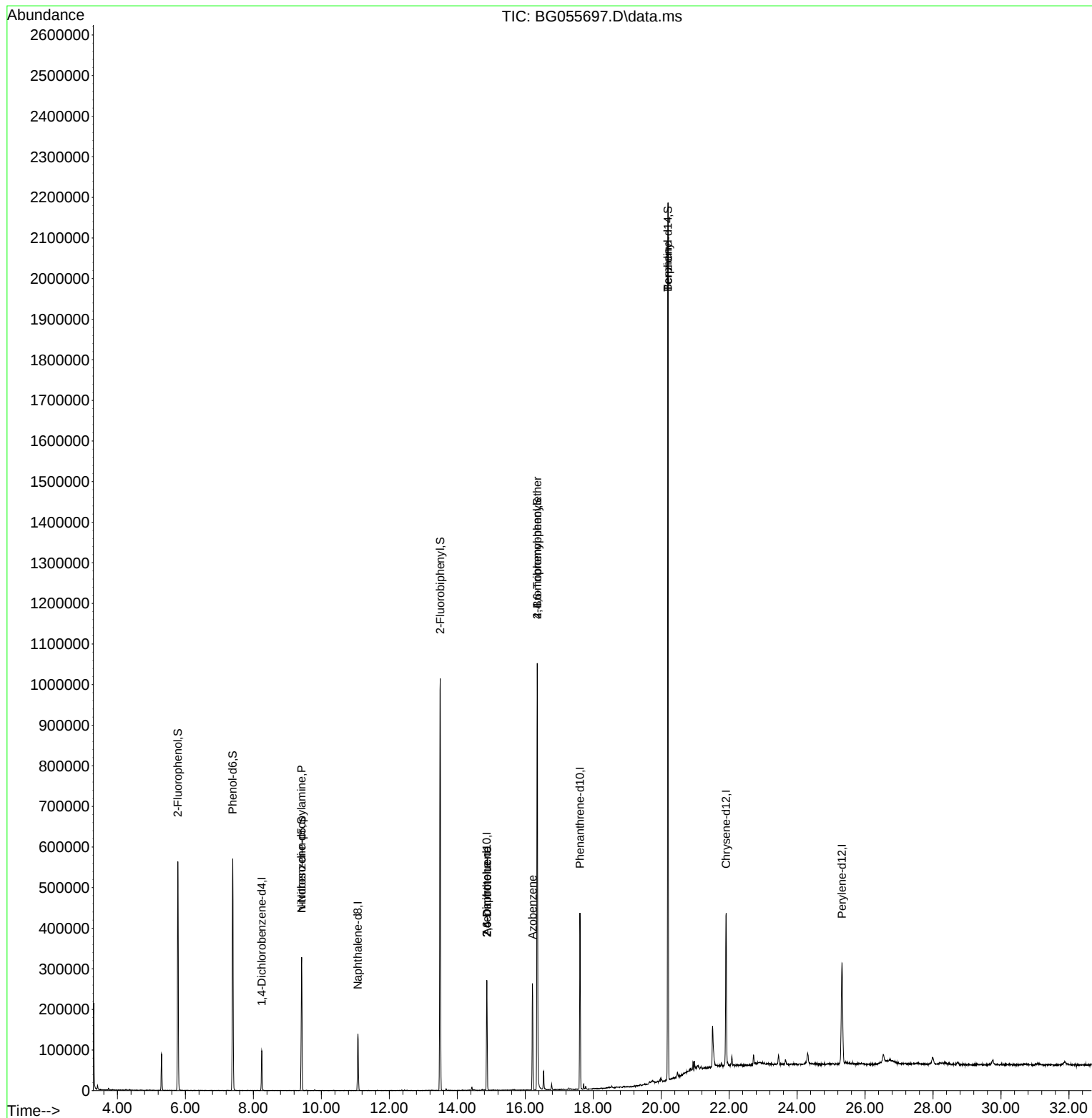
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.246	152	28874	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	121333	20.000	ng	0.00
39) Acenaphthene-d10	14.868	164	102007	20.000	ng	0.00
64) Phenanthrene-d10	17.611	188	277751	20.000	ng	0.00
76) Chrysene-d12	21.912	240	246454	20.000	ng	0.00
86) Perylene-d12	25.320	264	261123	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.778	112	237006	148.366	ng	0.00
7) Phenol-d6	7.394	99	314743	148.014	ng	0.00
23) Nitrobenzene-d5	9.421	82	193160	84.144	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	234165	163.023	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	542625	79.693	ng	0.00
79) Terphenyl-d14	20.202	244	1093228	88.722	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.421	70	25798	15.790	ng	# 80
51) 2,6-Dinitrotoluene	14.873	165	13153	7.911	ng	# 24
57) 2,4-Dinitrotoluene	14.873	165	13153	5.611	ng	# 22
63) Azobenzene	16.213	77	72249	10.066	ng	# 1
67) 4-Bromophenyl-phenylether	16.354	248	14493	4.580	ng	# 1
77) Benzidine	20.202	184	17053	2.991	ng	# 87

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

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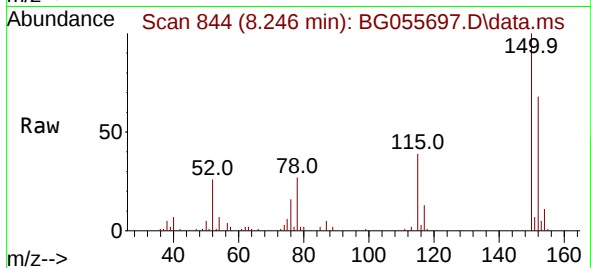
Quant Time: Nov 18 23:58:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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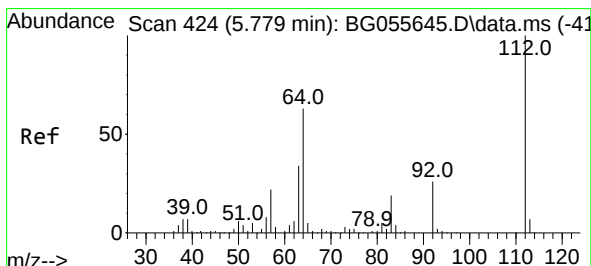
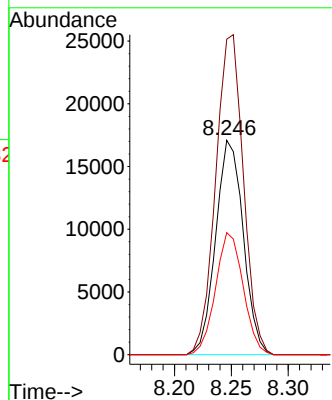
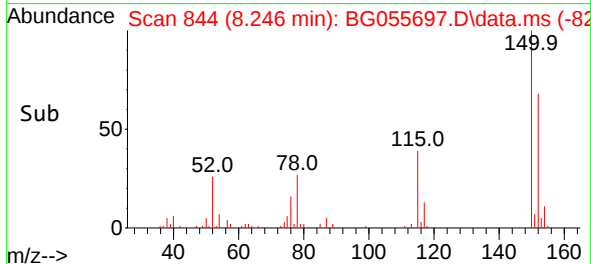


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.246 min Scan# 845
Delta R.T. -0.007 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

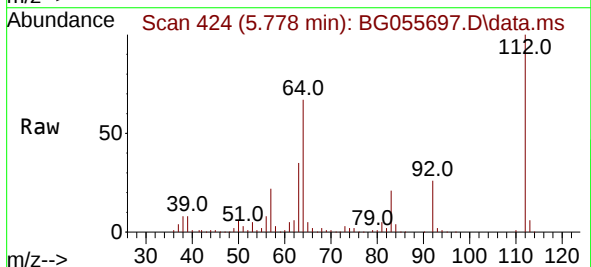
Instrument :
BNA_G
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-1



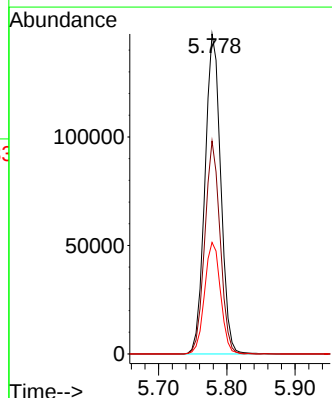
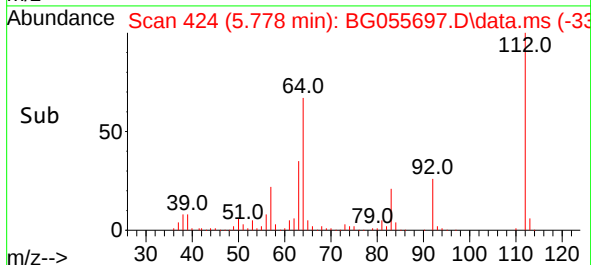
Tgt Ion:152 Resp: 28874
Ion Ratio Lower Upper
152 100
150 147.1 123.0 184.6
115 56.9 47.0 70.4

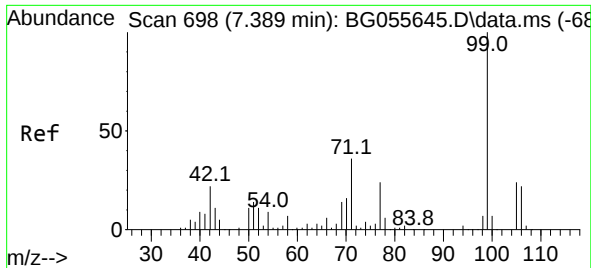


#5
2-Fluorophenol
Concen: 148.366 ng
RT: 5.778 min Scan# 424
Delta R.T. -0.001 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35



Tgt Ion:112 Resp: 237006
Ion Ratio Lower Upper
112 100
64 66.6 50.6 76.0
63 34.8 27.5 41.3

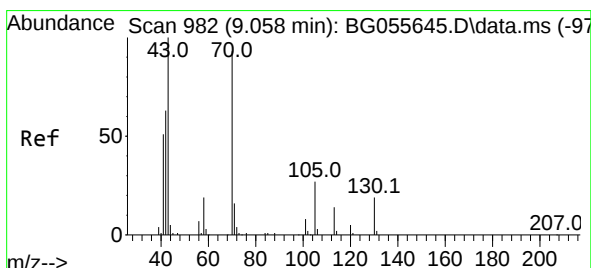
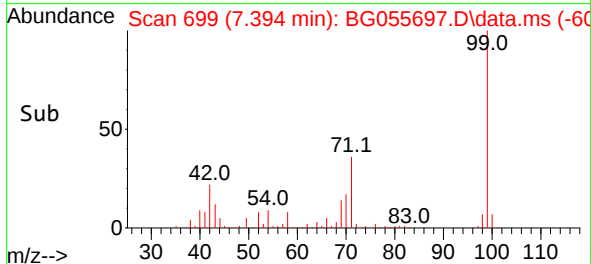
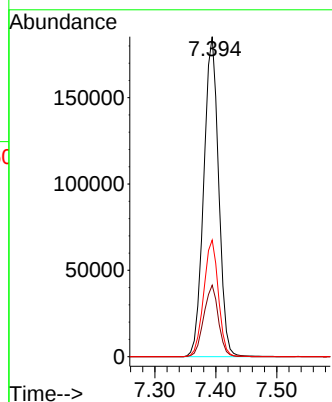
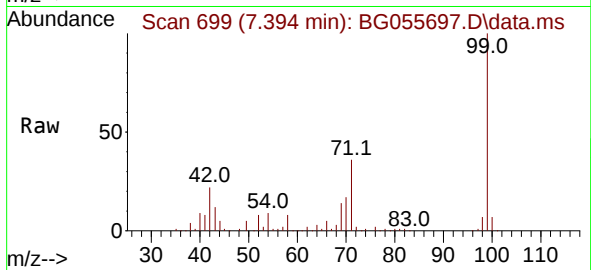




#7
Phenol-d6
Concen: 148.014 ng
RT: 7.394 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

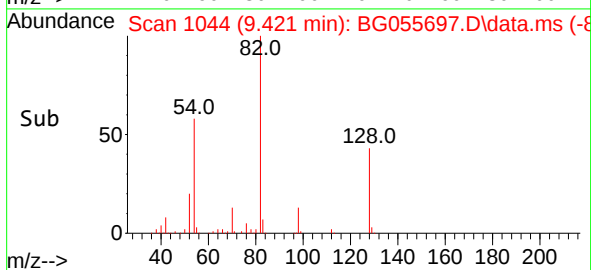
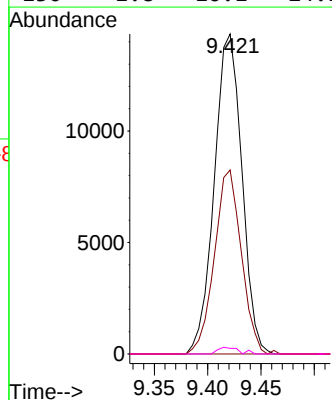
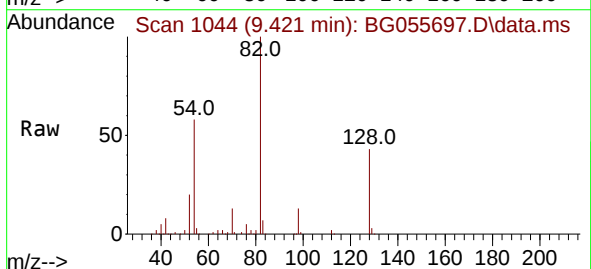
Instrument :
BNA_G
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-1

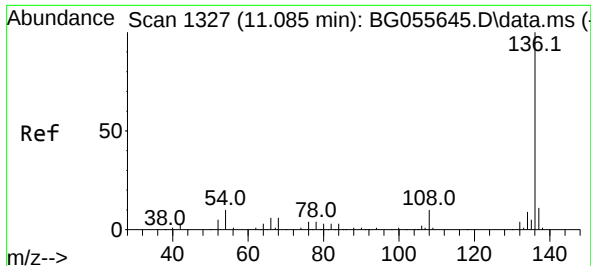
Tgt Ion: 99 Resp: 314743
Ion Ratio Lower Upper
99 100
42 22.4 18.0 27.0
71 36.4 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.790 ng
RT: 9.421 min Scan# 1044
Delta R.T. 0.363 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

Tgt Ion: 70 Resp: 25798
Ion Ratio Lower Upper
70 100
42 57.5 55.2 82.8
101 0.0 7.1 10.7#
130 1.8 16.1 24.1#

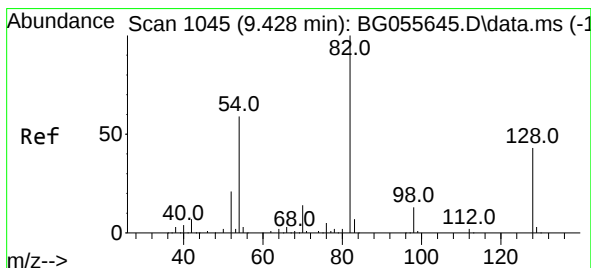
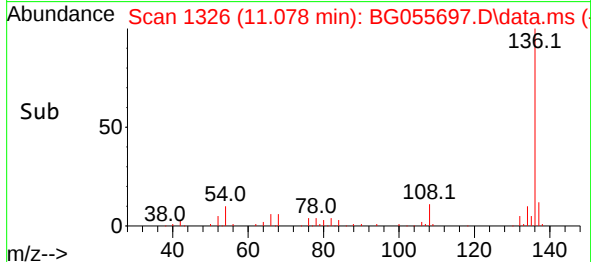
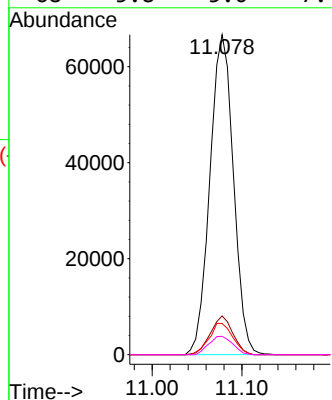
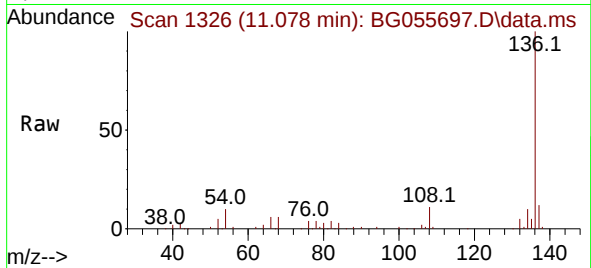




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

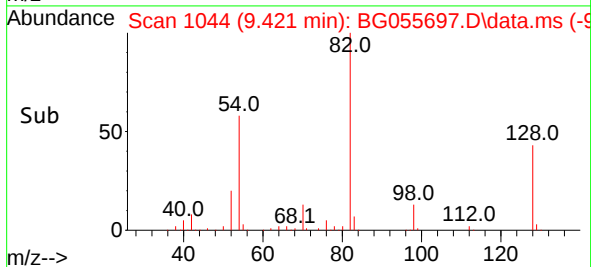
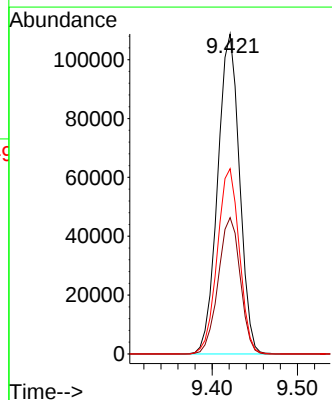
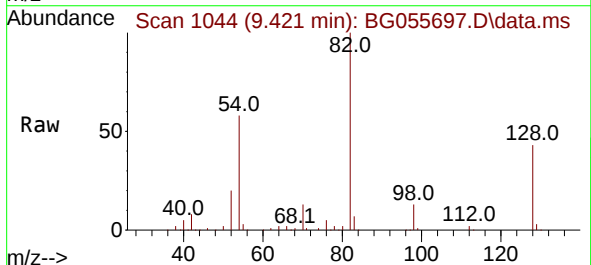
Instrument :
BNA_G
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-1

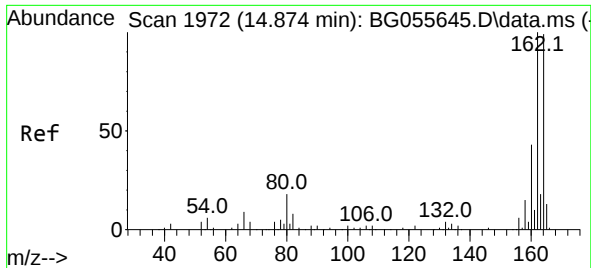
Tgt Ion:	136	Resp:	121333
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.0	13.6
54	9.8	7.8	11.6
68	5.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 84.144 ng
RT: 9.421 min Scan# 1044
Delta R.T. -0.007 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

Tgt Ion:	82	Resp:	193160
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	57.9	47.3	70.9

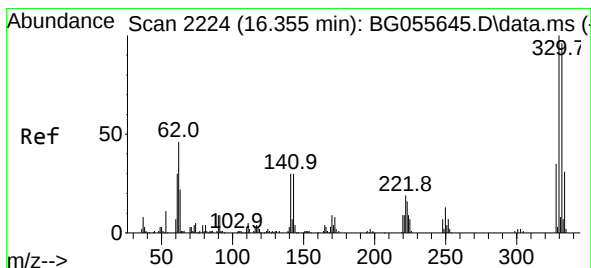
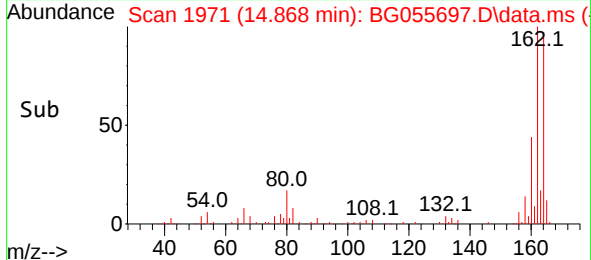
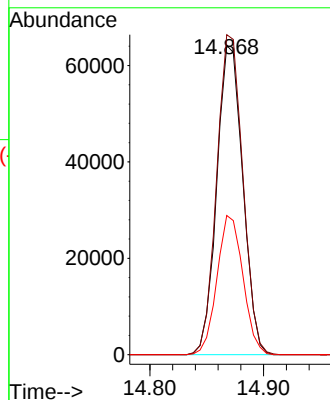
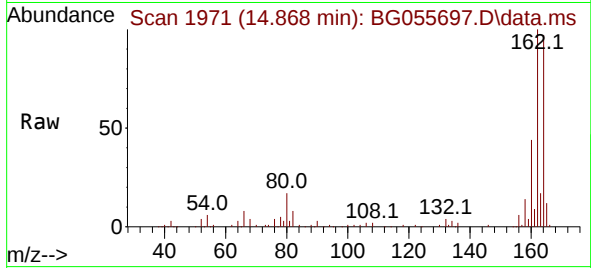




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.868 min Scan# 1972
Delta R.T. -0.007 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

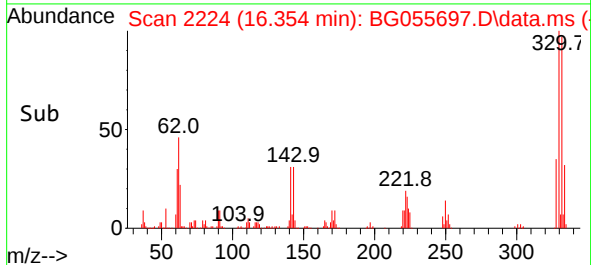
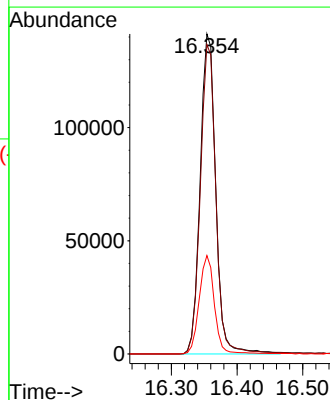
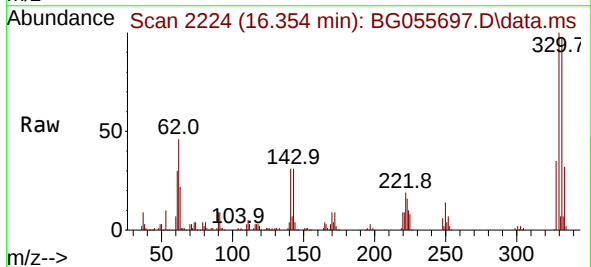
Instrument :
BNA_G
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-1

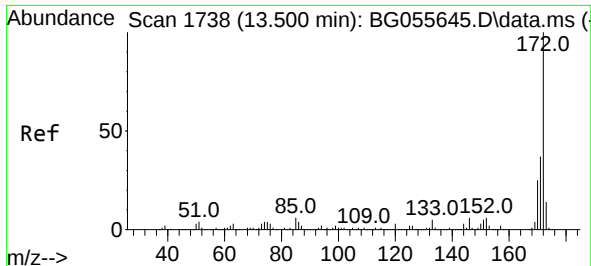
Tgt Ion:164 Resp: 102007
Ion Ratio Lower Upper
164 100
162 103.5 81.1 121.7
160 45.0 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 163.023 ng
RT: 16.354 min Scan# 2224
Delta R.T. -0.001 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

Tgt Ion:330 Resp: 234165
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.8
141 30.0 23.9 35.9

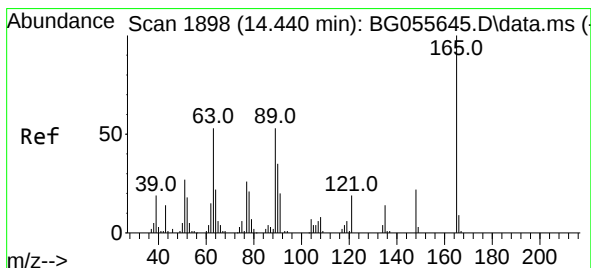
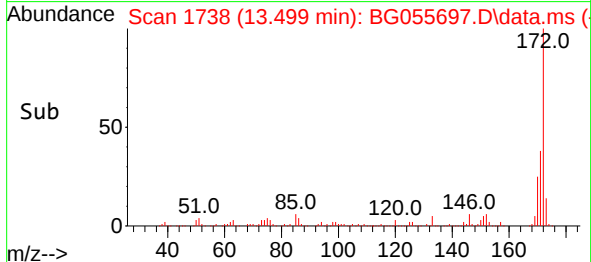
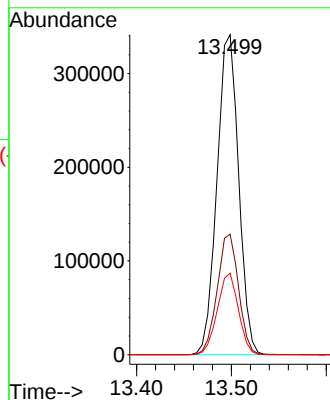
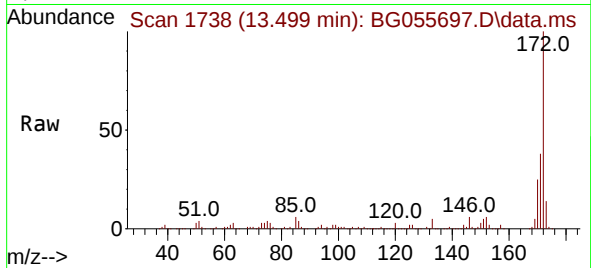




#45
2-Fluorobiphenyl
Concen: 79.693 ng
RT: 13.499 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

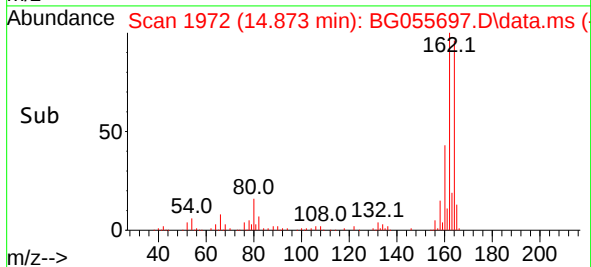
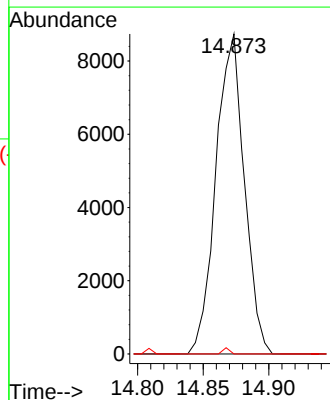
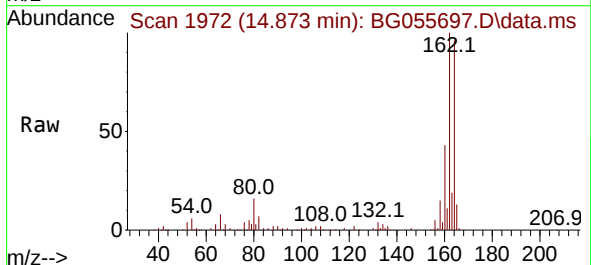
Instrument :
BNA_G
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-1

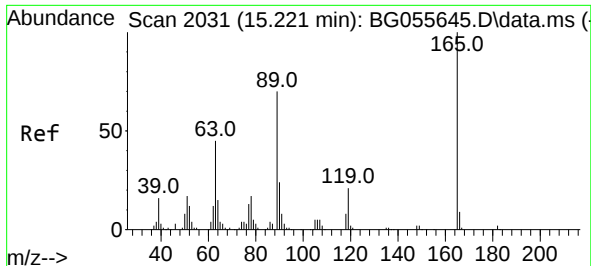
Tgt Ion:172 Resp: 542625
Ion Ratio Lower Upper
172 100
171 37.6 29.8 44.6
170 25.4 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.911 ng
RT: 14.873 min Scan# 1972
Delta R.T. 0.434 min
Lab File: BG055697.D
Acq: 18 Nov 2022 19:35

Tgt Ion:165 Resp: 13153
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 0.0 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.611 ng

RT: 14.873 min Scan# 11

Delta R.T. -0.348 min

Lab File: BG055697.D

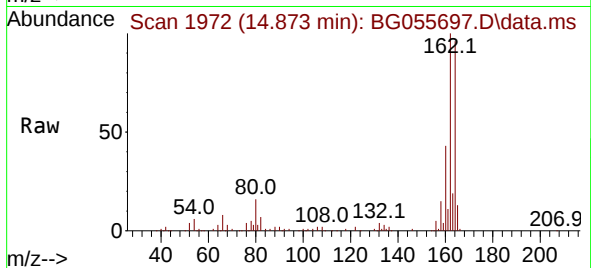
Acq: 18 Nov 2022 19:35

Instrument :

BNA_G

ClientSampleId :

BANK-RUN-SOIL-SAMPLE-1



Tgt Ion:165 Resp: 13153

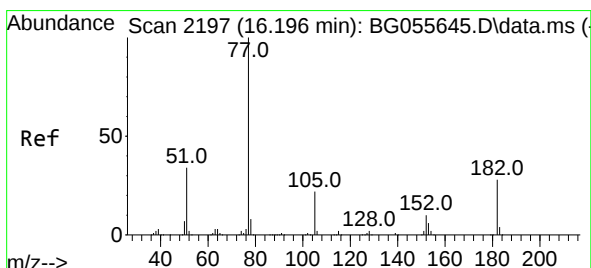
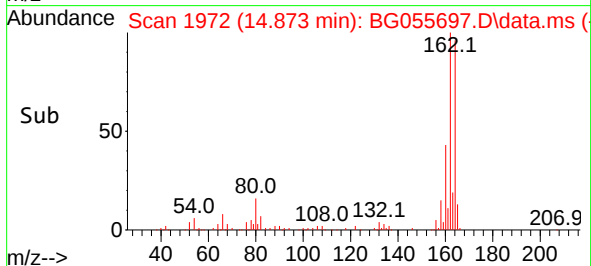
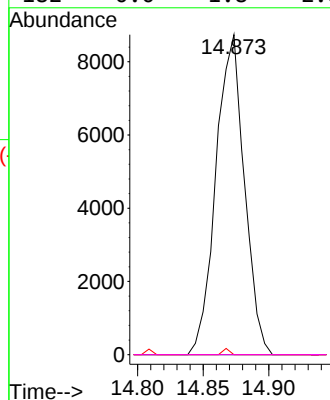
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 0.0 56.2 84.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 10.066 ng

RT: 16.213 min Scan# 2200

Delta R.T. 0.017 min

Lab File: BG055697.D

Acq: 18 Nov 2022 19:35

Tgt Ion: 77 Resp: 72249

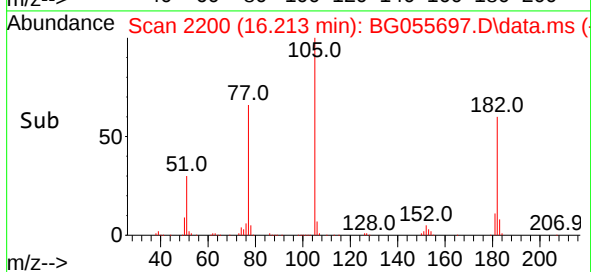
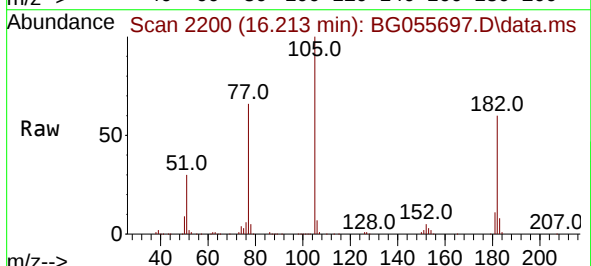
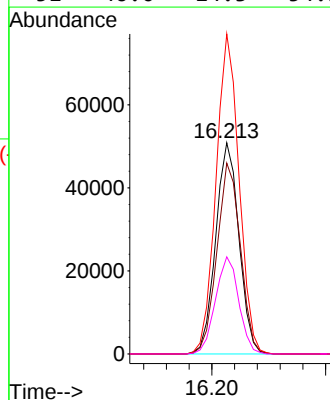
Ion Ratio Lower Upper

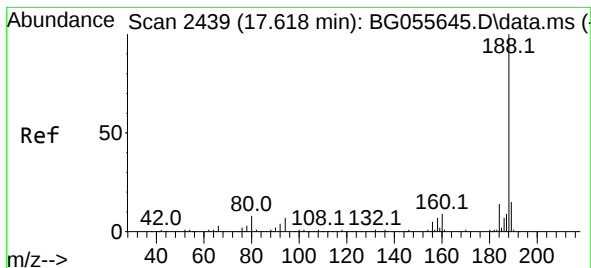
77 100

182 90.3 8.1 48.1#

105 151.5 1.8 41.8#

51 46.0 14.3 54.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.611 min Scan# 2439

Delta R.T. -0.007 min

Lab File: BG055697.D

Acq: 18 Nov 2022 19:35

Instrument :

BNA_G

ClientSampleId :

BANK-RUN-SOIL-SAMPLE-1

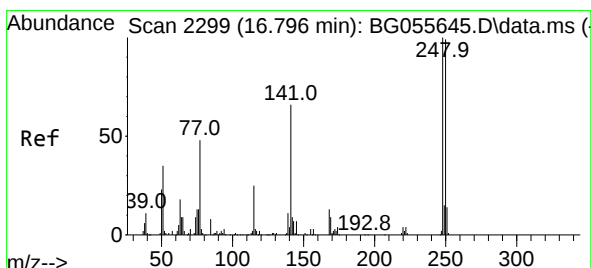
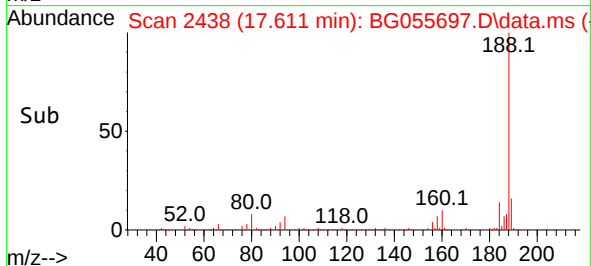
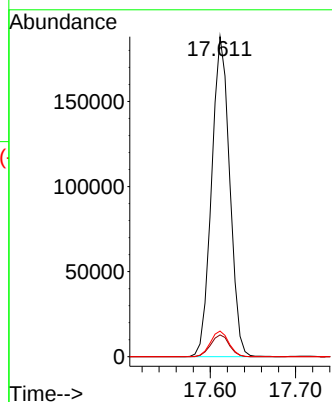
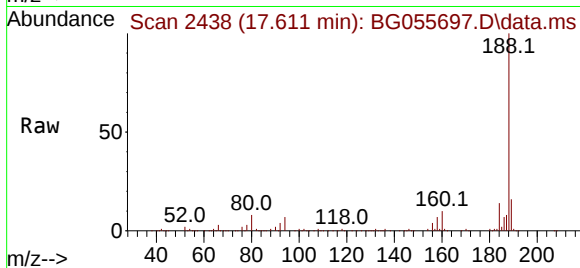
Tgt Ion:188 Resp: 277751

Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.2

80 8.0 6.6 10.0



#67

4-Bromophenyl-phenylether

Concen: 4.580 ng

RT: 16.354 min Scan# 2224

Delta R.T. -0.442 min

Lab File: BG055697.D

Acq: 18 Nov 2022 19:35

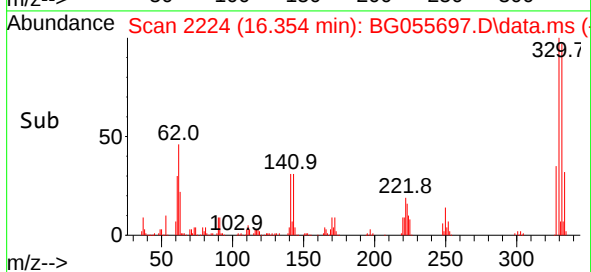
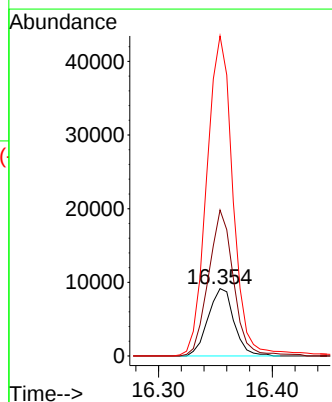
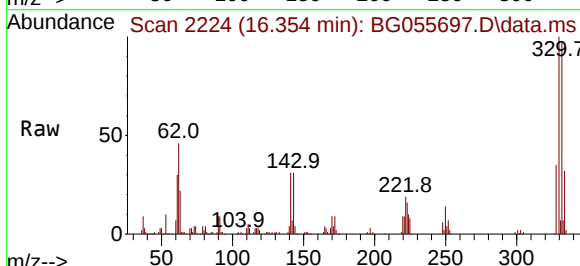
Tgt Ion:248 Resp: 14493

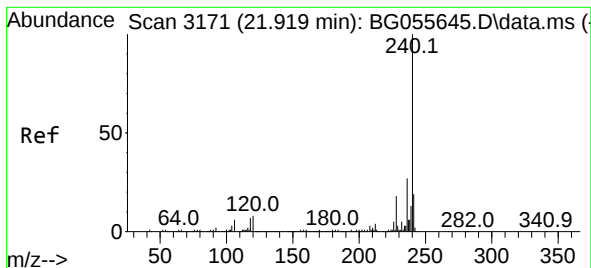
Ion Ratio Lower Upper

248 100

250 216.8 79.0 118.4#

141 475.2 52.9 79.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.912 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG055697.D

Acq: 18 Nov 2022 19:35

Instrument :

BNA_G

ClientSampleId :

BANK-RUN-SOIL-SAMPLE-1

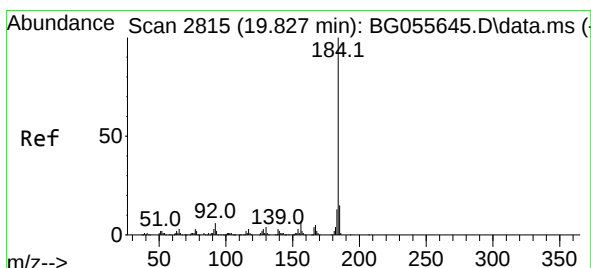
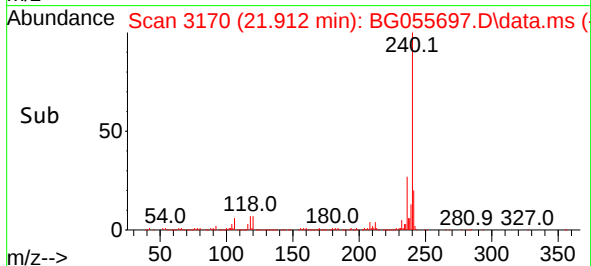
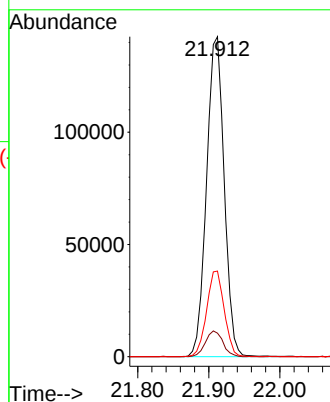
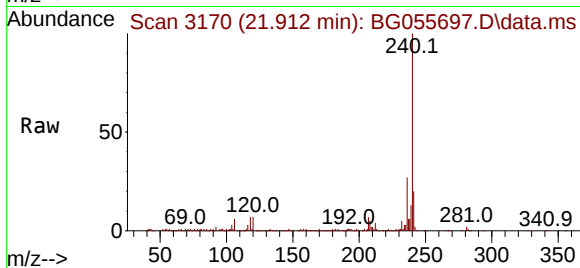
Tgt Ion:240 Resp: 246454

Ion Ratio Lower Upper

240 100

120 7.4 6.3 9.5

236 26.8 21.9 32.9



#77

Benzidine

Concen: 2.991 ng

RT: 20.202 min Scan# 2879

Delta R.T. 0.375 min

Lab File: BG055697.D

Acq: 18 Nov 2022 19:35

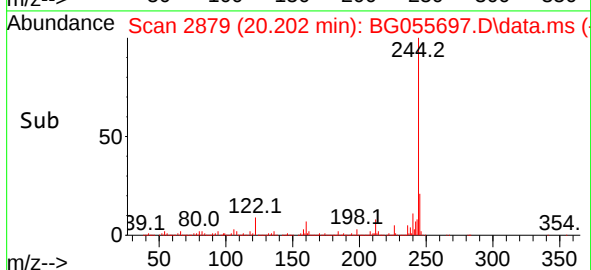
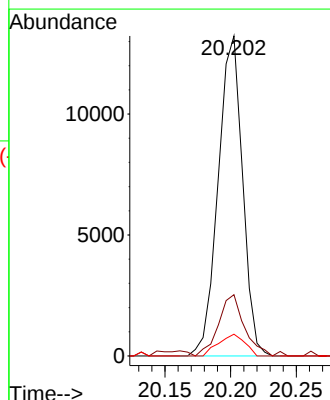
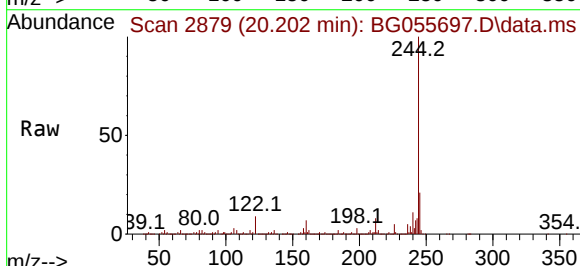
Tgt Ion:184 Resp: 17053

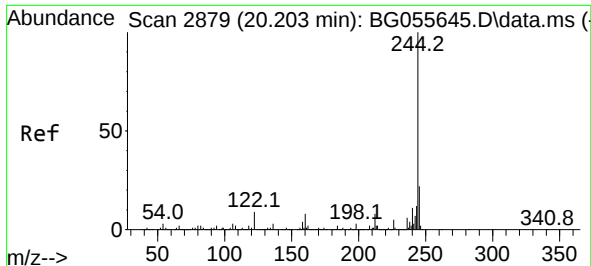
Ion Ratio Lower Upper

184 100

185 19.1 11.8 17.8#

183 6.8 10.6 15.8#

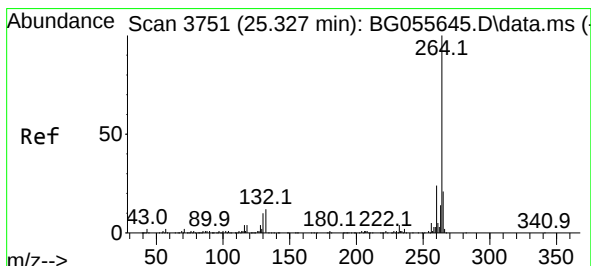
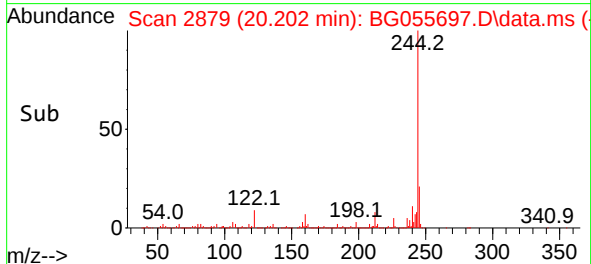
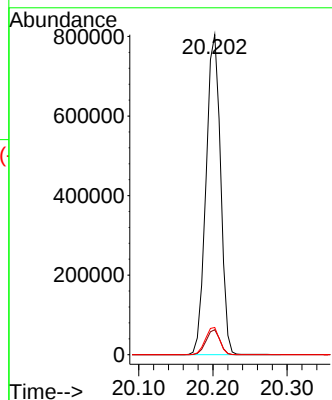
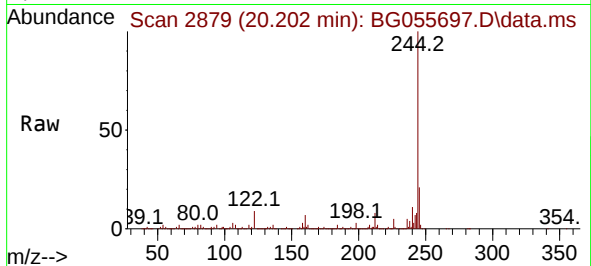




#79
 Terphenyl-d14
 Concen: 88.722 ng
 RT: 20.202 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG055697.D
 Acq: 18 Nov 2022 19:35

Instrument :
 BNA_G
 ClientSampleId :
 BANK-RUN-SOIL-SAMPLE-1

Tgt Ion:244 Resp: 1093228
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 8.5 6.9 10.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.320 min Scan# 3750
 Delta R.T. -0.007 min
 Lab File: BG055697.D
 Acq: 18 Nov 2022 19:35

Tgt Ion:264 Resp: 261123
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 20.8 17.1 25.7

