

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054112.D
 Acq On : 28 Jun 2022 4:17
 Operator : CG/JU
 Sample : N3492-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE

Quant Time: Jun 28 06:22:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

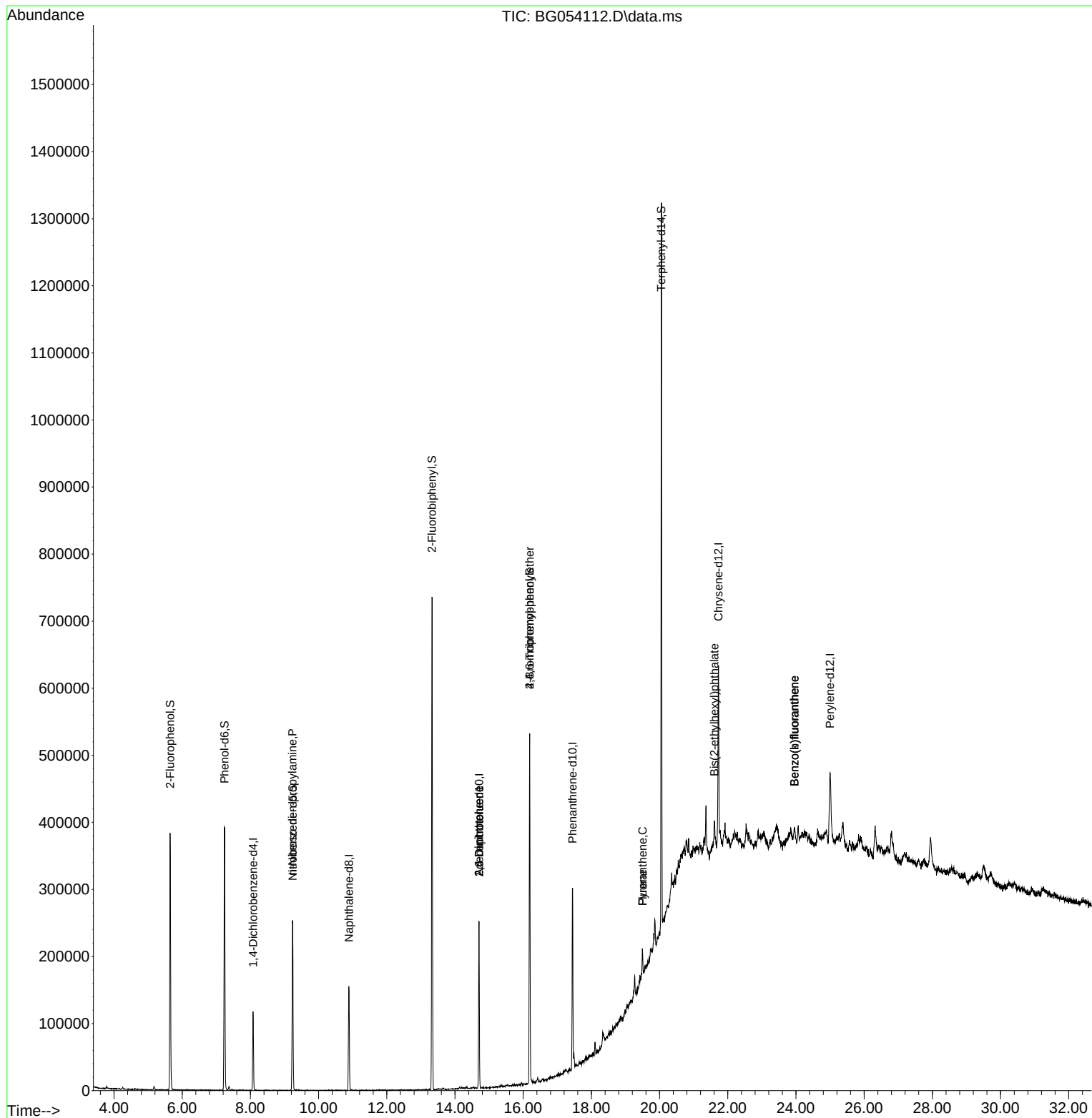
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.077	152	35577	20.000	ng	0.00
21) Naphthalene-d8	10.886	136	144488	20.000	ng	# 0.00
39) Acenaphthene-d10	14.705	164	95247	20.000	ng	0.00
64) Phenanthrene-d10	17.449	188	191626	20.000	ng	0.00
76) Chrysene-d12	21.726	240	188340	20.000	ng	# 0.00
86) Perylene-d12	24.999	264	160644	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.645	112	188735	101.426	ng	0.00
7) Phenol-d6	7.243	99	247263	97.952	ng	0.01
23) Nitrobenzene-d5	9.241	82	163857	63.729	ng	0.00
42) 2,4,6-Tribromophenol	16.191	330	122215	79.863	ng	0.00
45) 2-Fluorobiphenyl	13.324	172	430103	65.664	ng	0.00
79) Terphenyl-d14	20.052	244	603525	64.540	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.235	70	22875	13.488	ng	# 81
51) 2,6-Dinitrotoluene	14.705	165	13336	9.099	ng	# 16
57) 2,4-Dinitrotoluene	14.705	165	13336	6.443	ng	# 21
67) 4-Bromophenyl-phenylether	16.191	248	7863	3.285	ng	# 1
75) Fluoranthene	19.499	202	29695	2.298	ng	93
78) Pyrene	19.499	202	29695	2.610	ng	95
84) Bis(2-ethylhexyl)phtha...	21.609	149	11641	2.232	ng	# 78
88) Benzo(b)fluoranthene	23.959	252	27535	2.819	ng	# 52
89) Benzo(k)fluoranthene	23.959	252	27535	2.847	ng	# 53

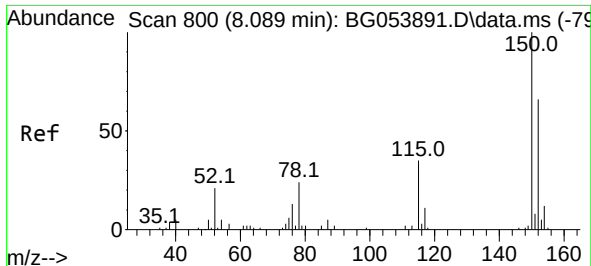
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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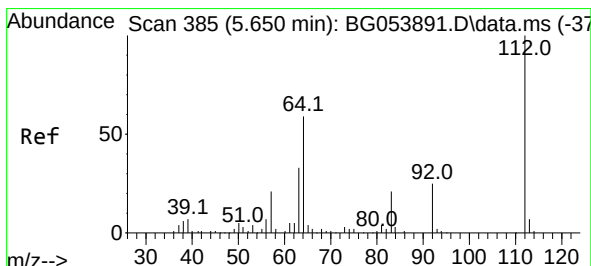
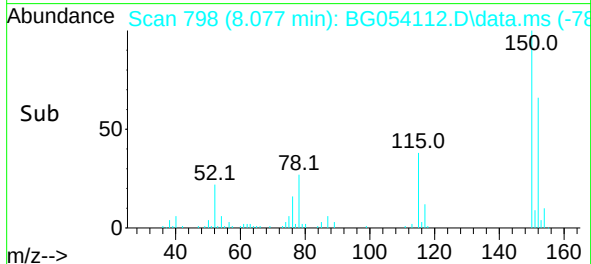
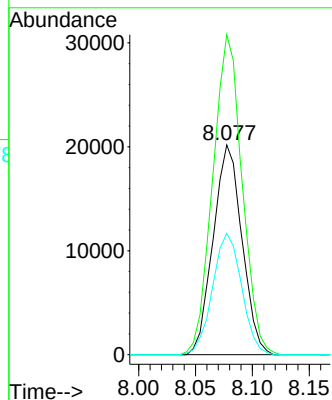
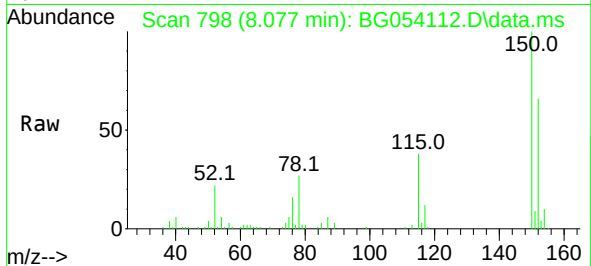




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.077 min Scan# 79
 Delta R.T. 0.007 min
 Lab File: BG054112.D
 Acq: 28 Jun 2022 4:17

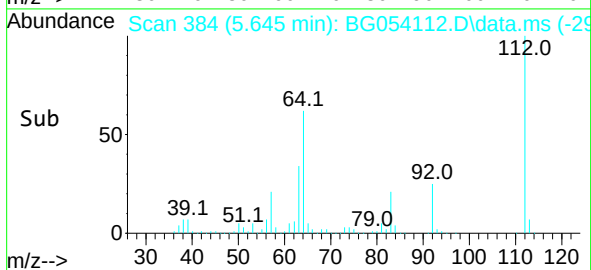
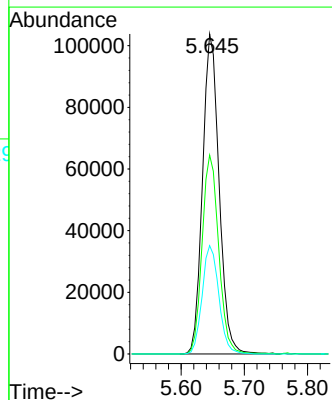
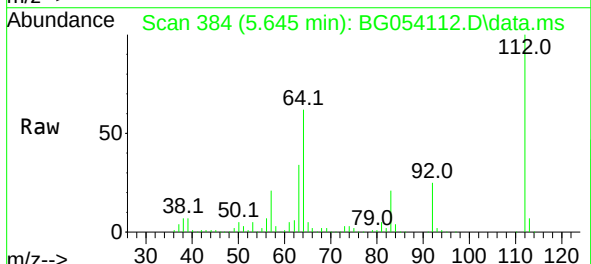
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE

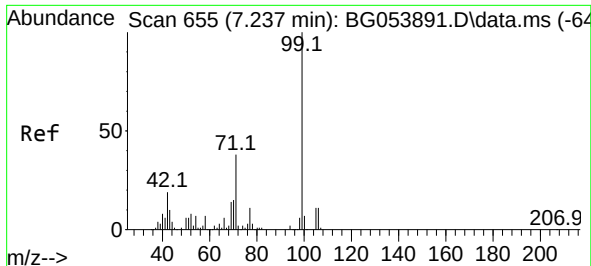
Tgt Ion:152 Resp: 35577
 Ion Ratio Lower Upper
 152 100
 150 152.6 131.6 197.4
 115 57.8 50.9 76.3



#5
 2-Fluorophenol
 Concen: 101.426 ng
 RT: 5.645 min Scan# 384
 Delta R.T. 0.007 min
 Lab File: BG054112.D
 Acq: 28 Jun 2022 4:17

Tgt Ion:112 Resp: 188735
 Ion Ratio Lower Upper
 112 100
 64 62.2 55.1 82.7
 63 33.9 30.4 45.6

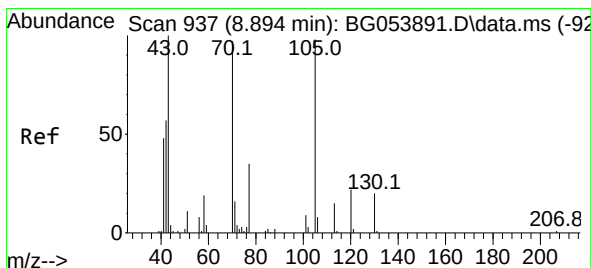
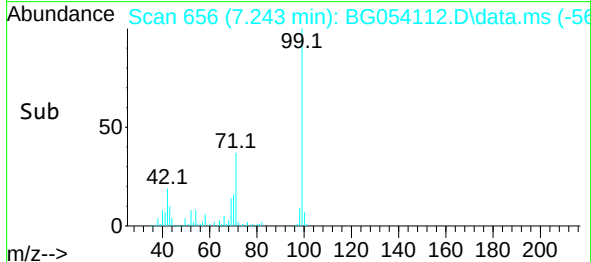
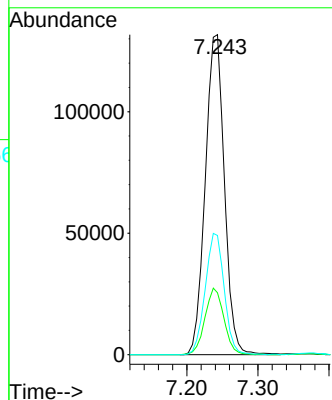
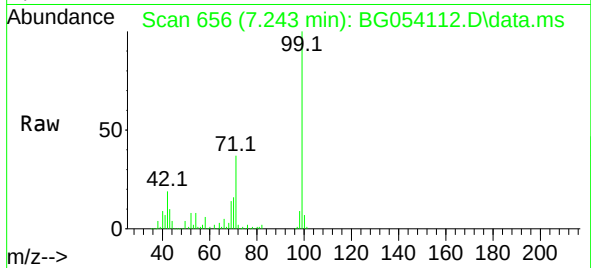




#7
Phenol-d6
Concen: 97.952 ng
RT: 7.243 min Scan# 61
Delta R.T. 0.013 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

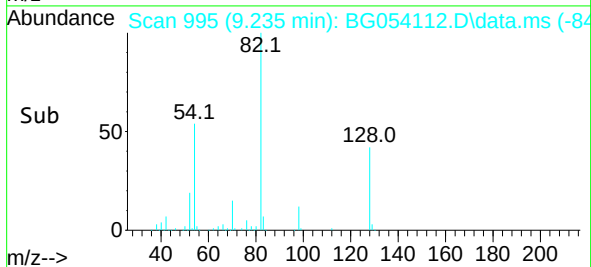
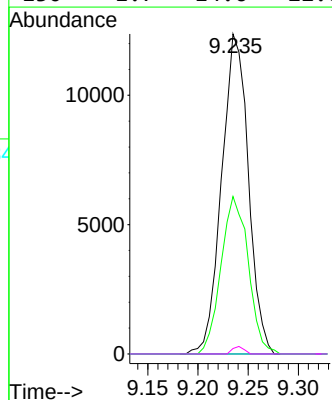
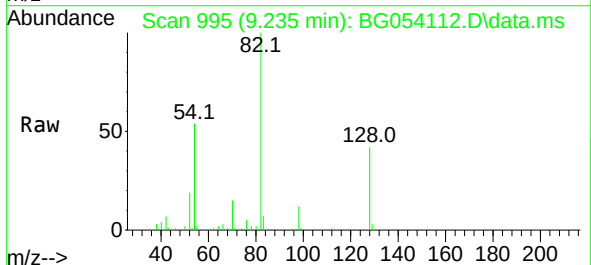
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE

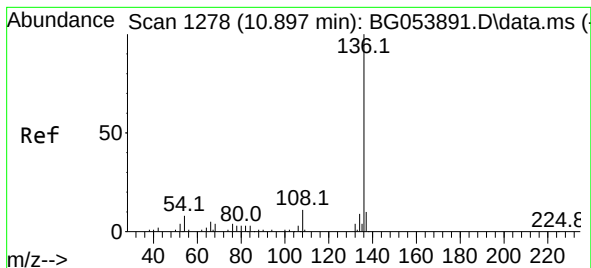
Tgt Ion: 99 Resp: 247263
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.6
71 37.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.488 ng
RT: 9.235 min Scan# 995
Delta R.T. 0.360 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

Tgt Ion: 70 Resp: 22875
Ion Ratio Lower Upper
70 100
42 49.2 47.3 70.9
101 0.0 7.0 10.4#
130 1.7 14.6 22.0#

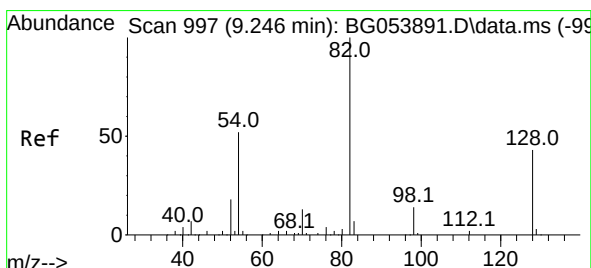
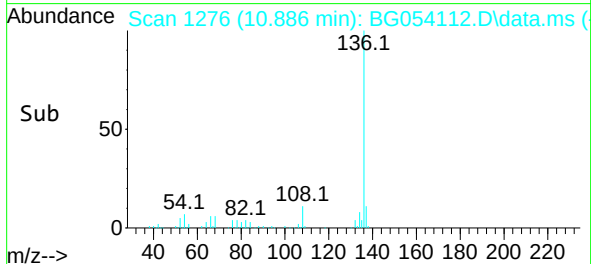
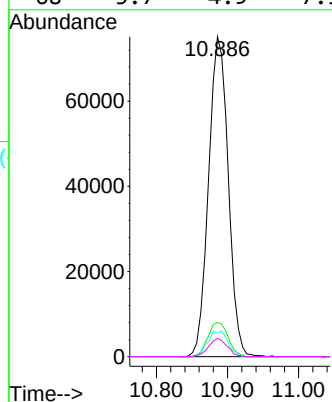
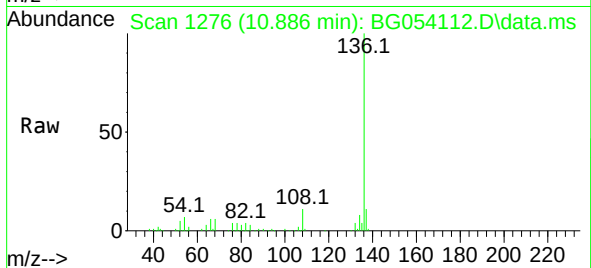




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.886 min Scan# 11
Delta R.T. 0.007 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

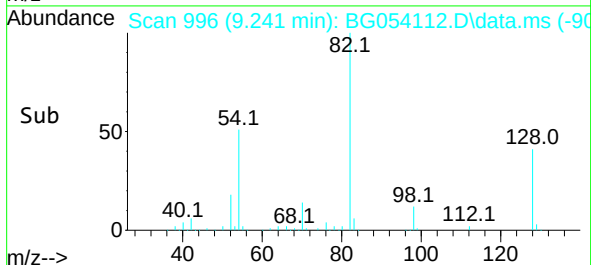
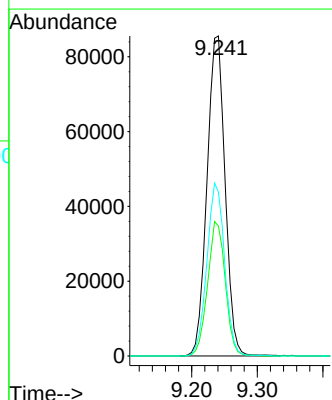
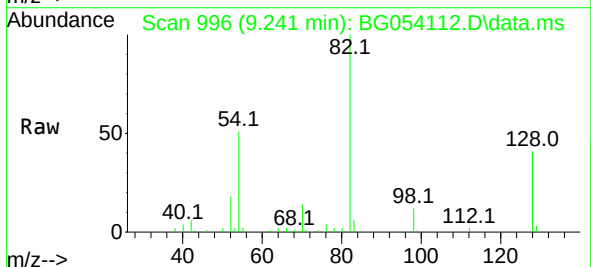
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE

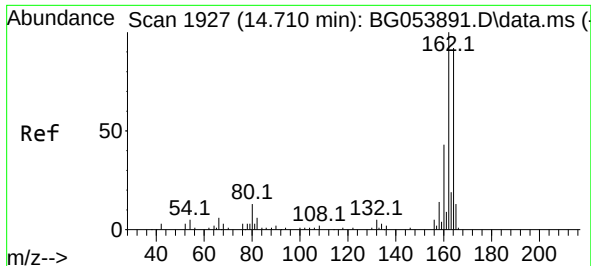
Tgt Ion:	136	Resp:	144488
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	7.4	7.4	11.2#
68	5.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 63.729 ng
RT: 9.241 min Scan# 996
Delta R.T. 0.007 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

Tgt Ion:	82	Resp:	163857
Ion Ratio	Lower	Upper	
82	100		
128	40.6	27.9	41.9
54	51.2	41.2	61.8

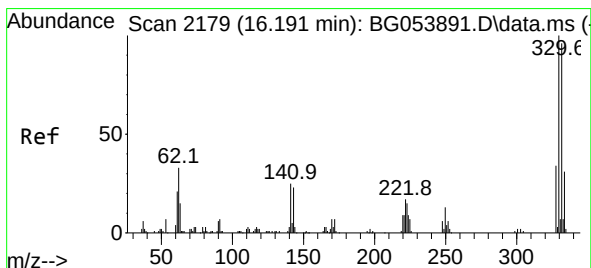
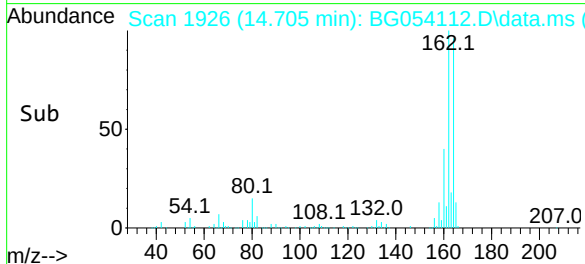
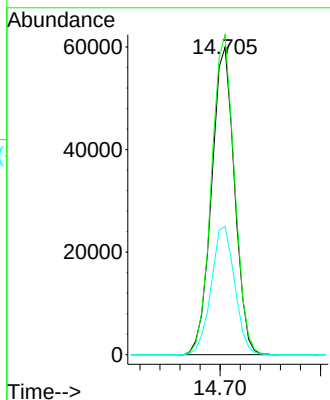
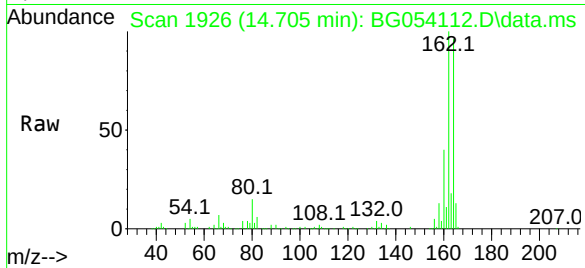




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.705 min Scan# 1926
Delta R.T. 0.007 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

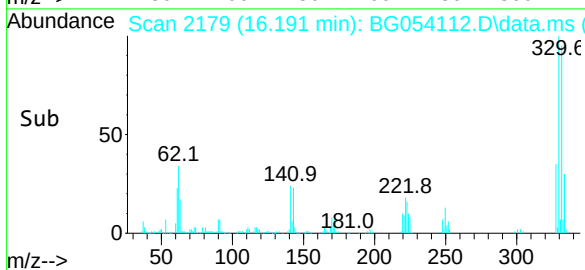
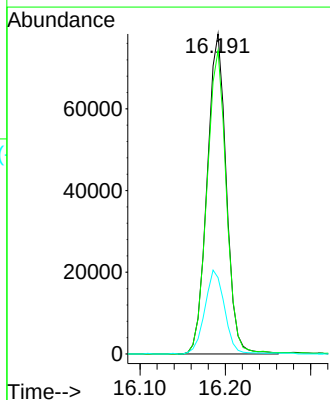
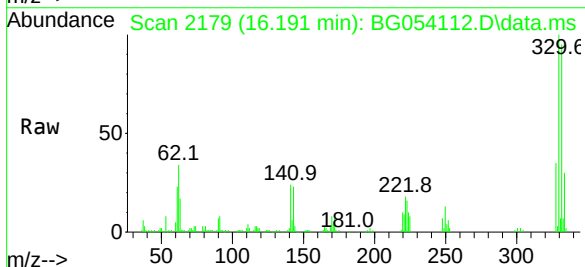
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE

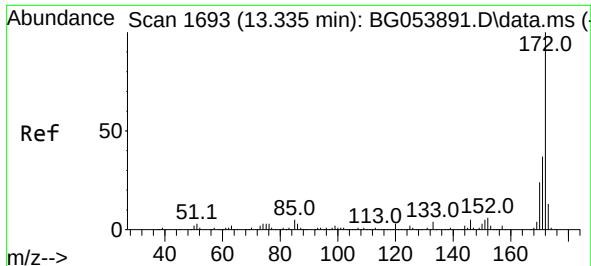
Tgt Ion:164 Resp: 95247
Ion Ratio Lower Upper
164 100
162 104.1 82.3 123.5
160 41.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 79.863 ng
RT: 16.191 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

Tgt Ion:330 Resp: 122215
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 27.0 27.1 40.7#

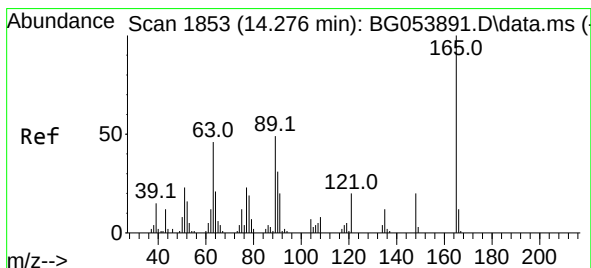
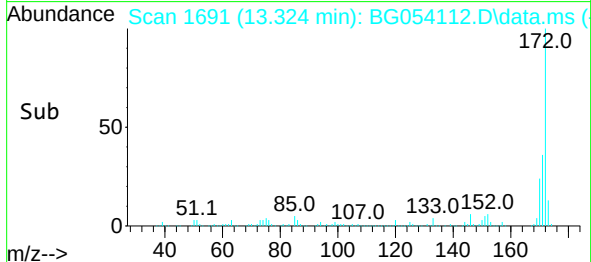
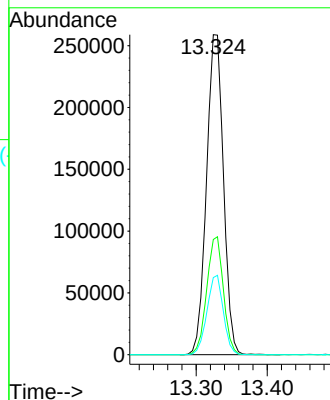
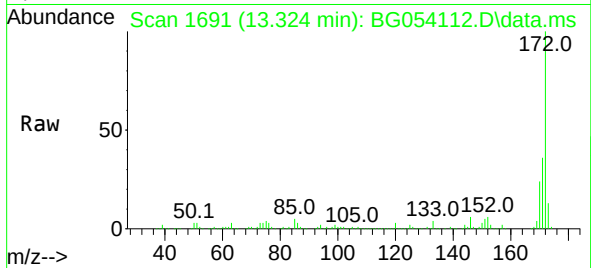




#45
2-Fluorobiphenyl
Concen: 65.664 ng
RT: 13.324 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

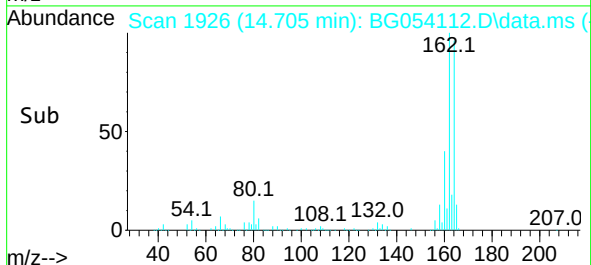
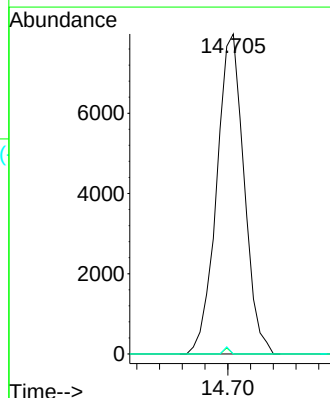
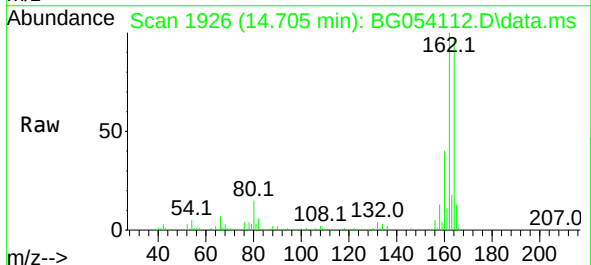
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE

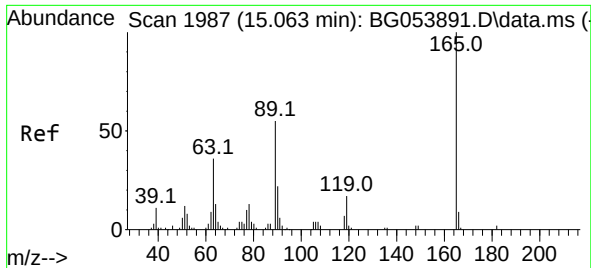
Tgt Ion:172 Resp: 430103
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.099 ng
RT: 14.705 min Scan# 1926
Delta R.T. 0.442 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

Tgt Ion:165 Resp: 13336
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: 6.443 ng

RT: 14.705 min Scan# 1987

Delta R.T. -0.346 min

Lab File: BG054112.D

Acq: 28 Jun 2022 4:17

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE

Tgt Ion:165 Resp: 13336

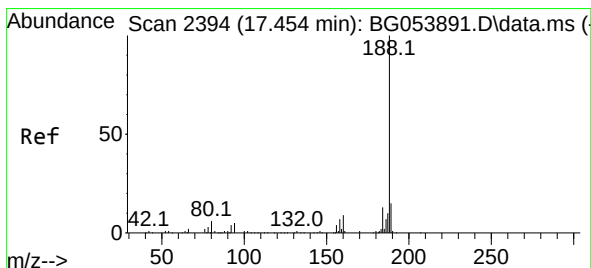
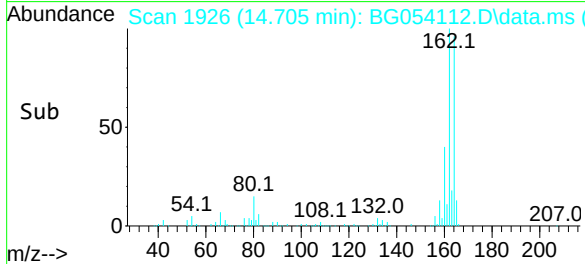
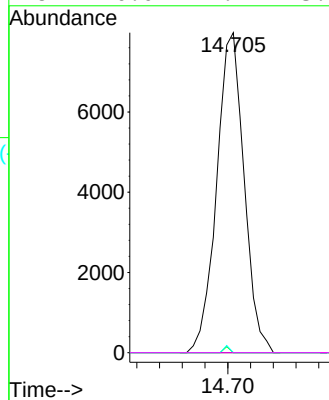
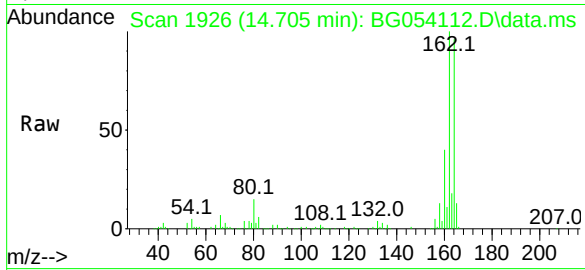
Ion Ratio Lower Upper

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: 17.449 min Scan# 2393

Delta R.T. 0.007 min

Lab File: BG054112.D

Acq: 28 Jun 2022 4:17

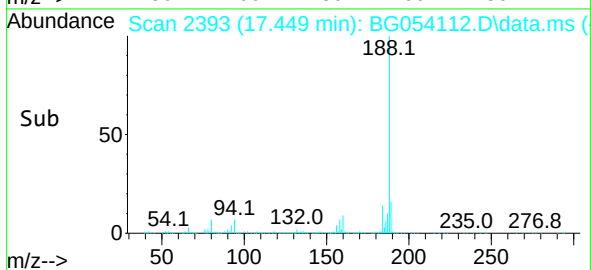
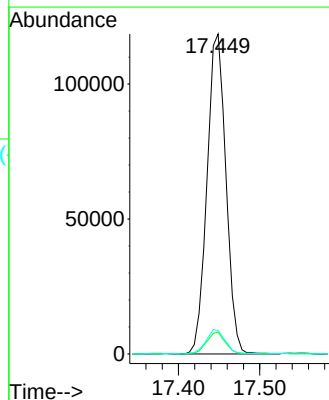
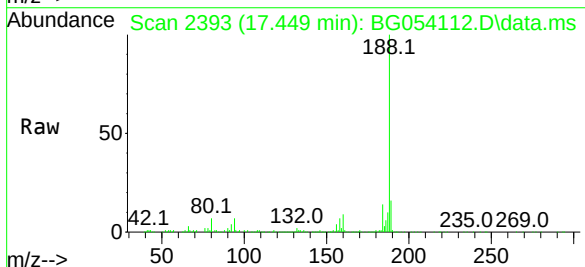
Tgt Ion:188 Resp: 191626

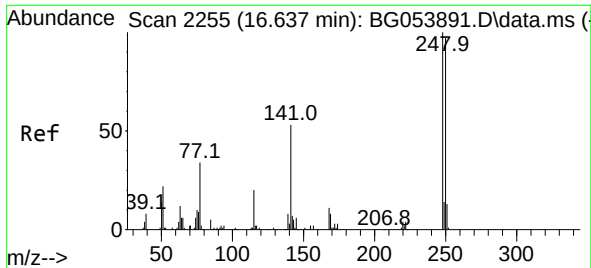
Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.0

80 7.3 6.8 10.2

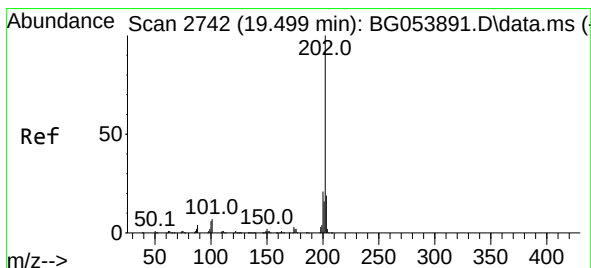
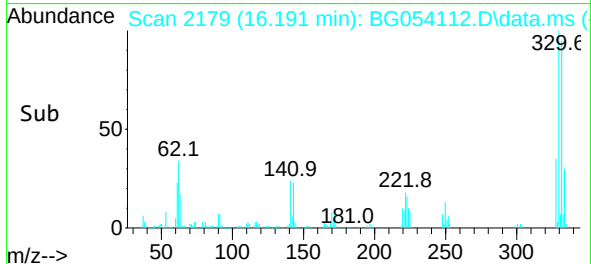
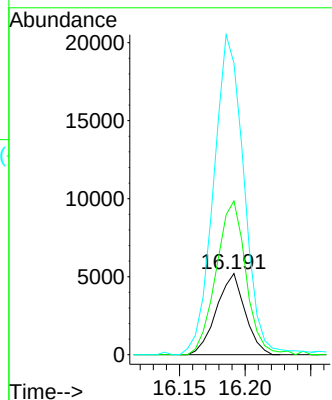
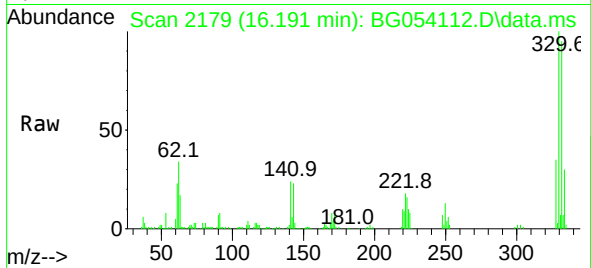




#67
4-Bromophenyl-phenylether
Concen: 3.285 ng
RT: 16.191 min Scan# 2179
Delta R.T. -0.434 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

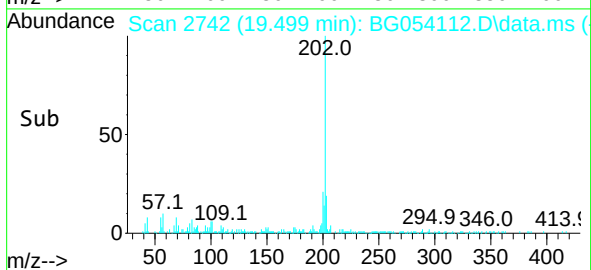
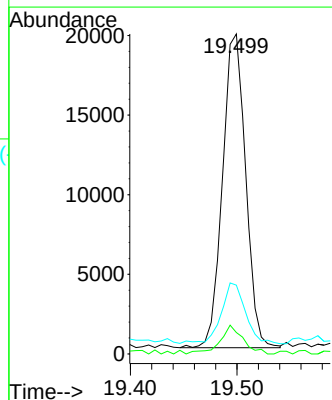
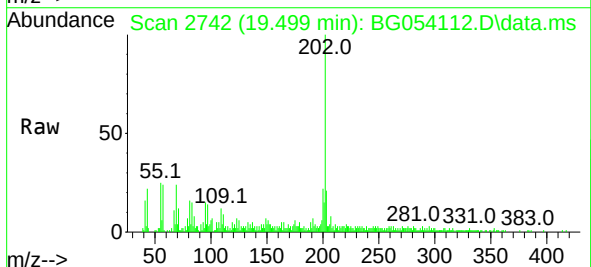
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE

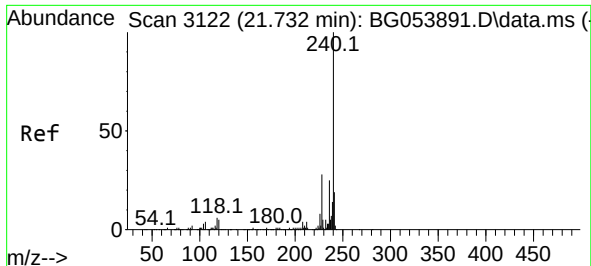
Tgt Ion:248 Resp: 7863
Ion Ratio Lower Upper
248 100
250 189.5 75.2 112.8#
141 359.0 50.0 75.0#



#75
Fluoranthene
Concen: 2.298 ng
RT: 19.499 min Scan# 2742
Delta R.T. 0.007 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

Tgt Ion:202 Resp: 29695
Ion Ratio Lower Upper
202 100
101 6.7 0.0 26.9
203 21.5 0.0 37.2

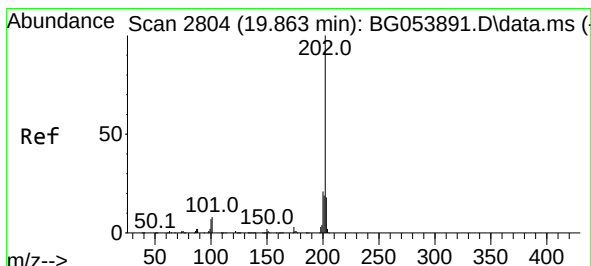
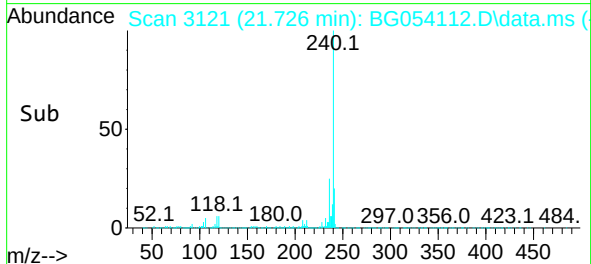
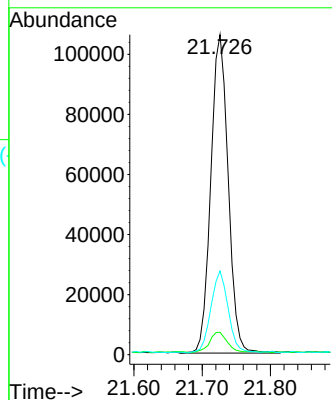
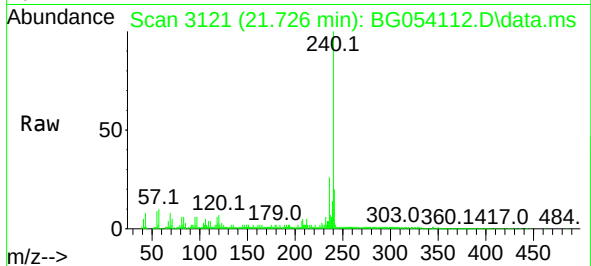




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.726 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

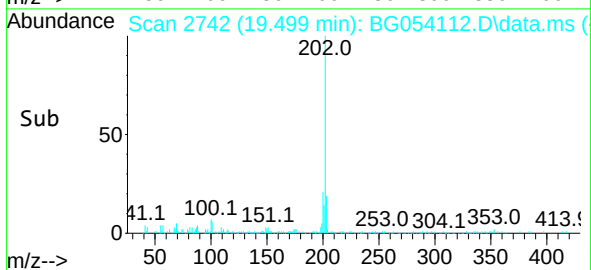
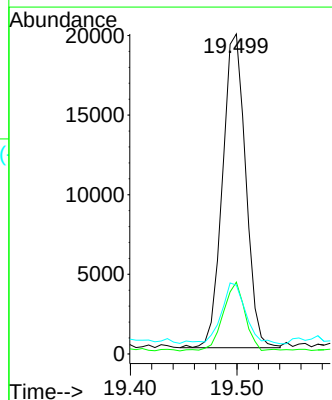
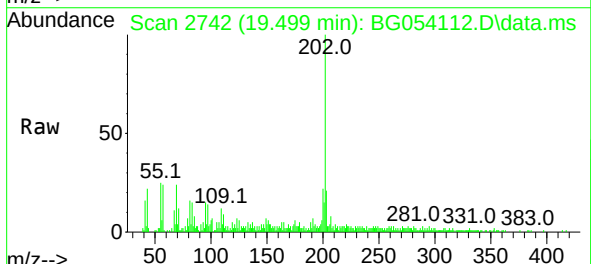
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE

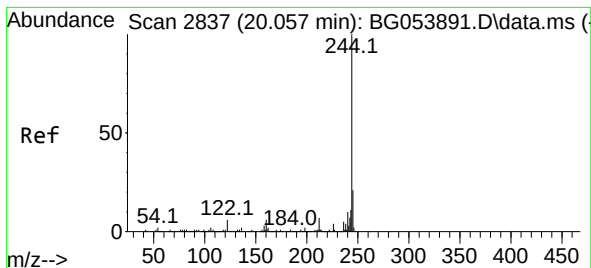
Tgt Ion:240 Resp: 188340
Ion Ratio Lower Upper
240 100
120 7.0 4.6 7.0#
236 26.2 20.2 30.4



#78
Pyrene
Concen: 2.610 ng
RT: 19.499 min Scan# 2742
Delta R.T. -0.351 min
Lab File: BG054112.D
Acq: 28 Jun 2022 4:17

Tgt Ion:202 Resp: 29695
Ion Ratio Lower Upper
202 100
200 22.5 16.6 24.8
203 21.5 14.6 21.8





#79

Terphenyl-d14

Concen: 64.540 ng

RT: 20.052 min Scan# 2

Delta R.T. 0.007 min

Lab File: BG054112.D

Acq: 28 Jun 2022 4:17

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE

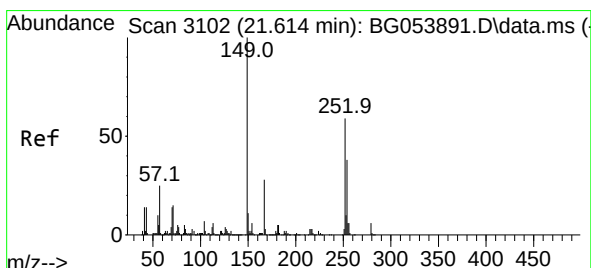
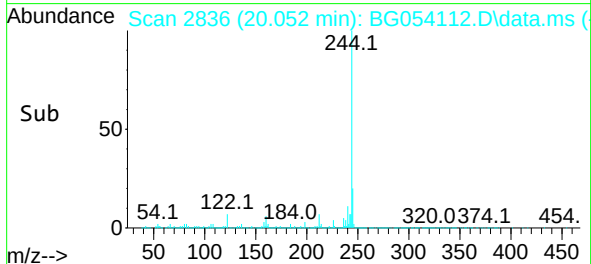
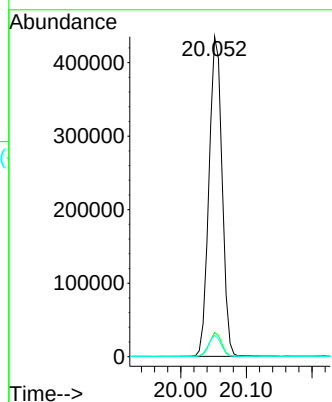
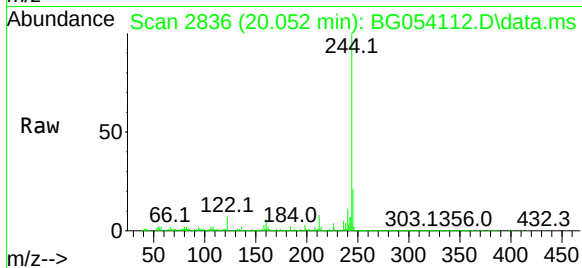
Tgt Ion:244 Resp: 603525

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 6.7 5.0 7.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.232 ng

RT: 21.609 min Scan# 3101

Delta R.T. 0.007 min

Lab File: BG054112.D

Acq: 28 Jun 2022 4:17

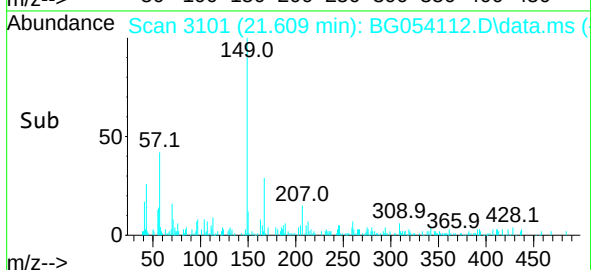
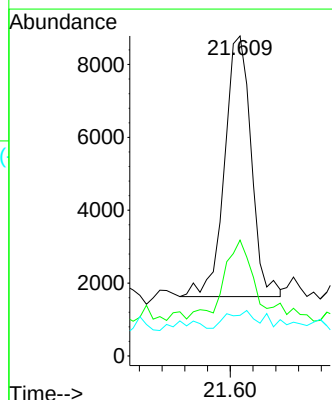
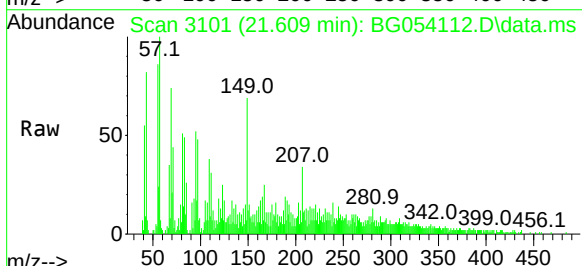
Tgt Ion:149 Resp: 11641

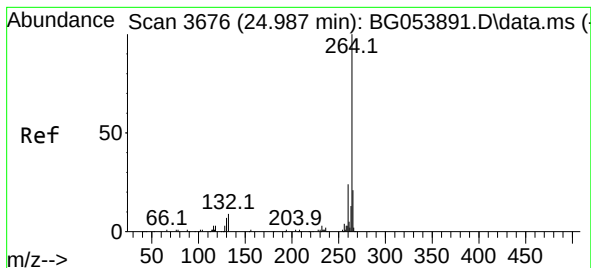
Ion Ratio Lower Upper

149 100

167 36.2 20.2 30.4#

279 12.7 3.6 5.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.999 min Scan# 3

Delta R.T. 0.036 min

Lab File: BG054112.D

Acq: 28 Jun 2022 4:17

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE

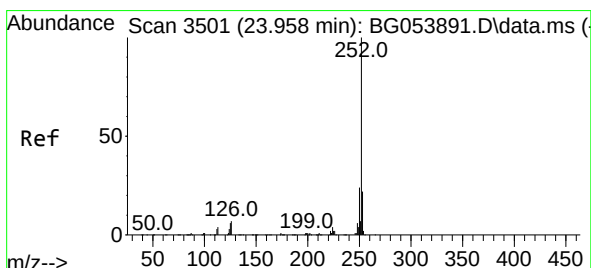
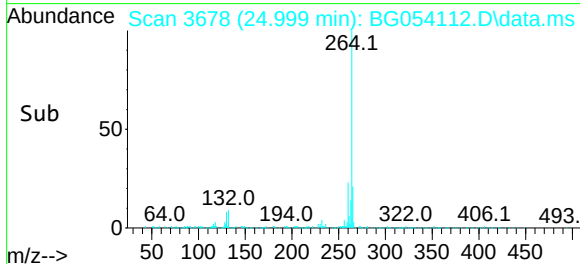
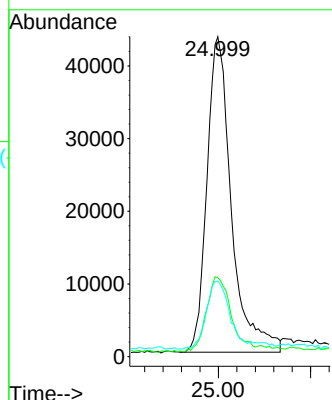
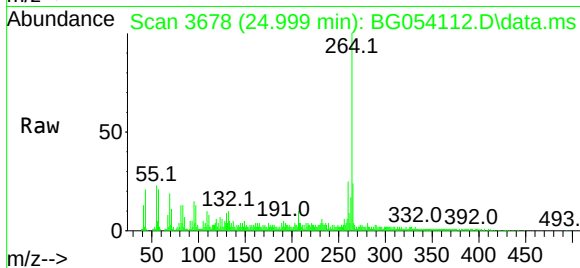
Tgt Ion:264 Resp: 160644

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

265 23.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.819 ng

RT: 23.959 min Scan# 3501

Delta R.T. 0.025 min

Lab File: BG054112.D

Acq: 28 Jun 2022 4:17

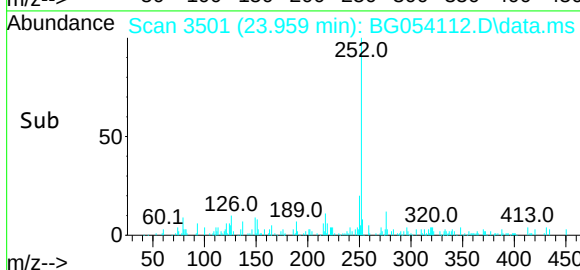
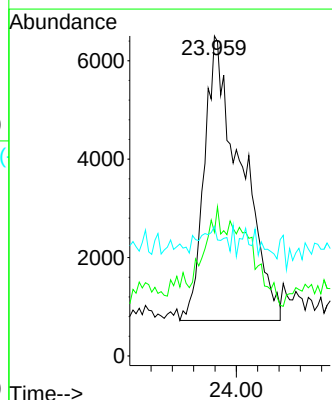
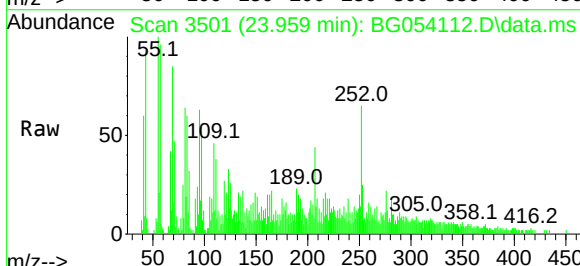
Tgt Ion:252 Resp: 27535

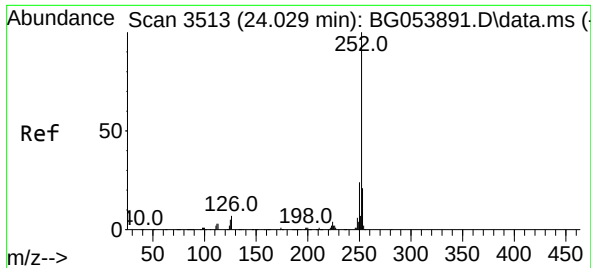
Ion Ratio Lower Upper

252 100

253 38.7 18.0 27.0#

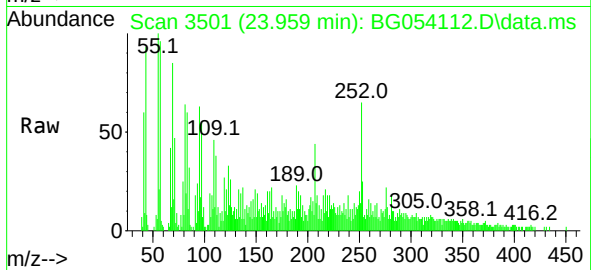
125 40.5 4.6 6.8#





#89
 Benzo(k)fluoranthene
 Concen: 2.847 ng
 RT: 23.959 min Scan# 31
 Delta R.T. -0.046 min
 Lab File: BG054112.D
 Acq: 28 Jun 2022 4:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.7	18.4	27.6#
125	40.5	4.8	7.2#

