

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082824\
 Data File : BG062604.D
 Acq On : 28 Aug 2024 20:45
 Operator : MA/JU
 Sample : P3760-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-MOUND

Quant Time: Aug 29 00:28:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 00:59:59 2024
 Response via : Initial Calibration

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

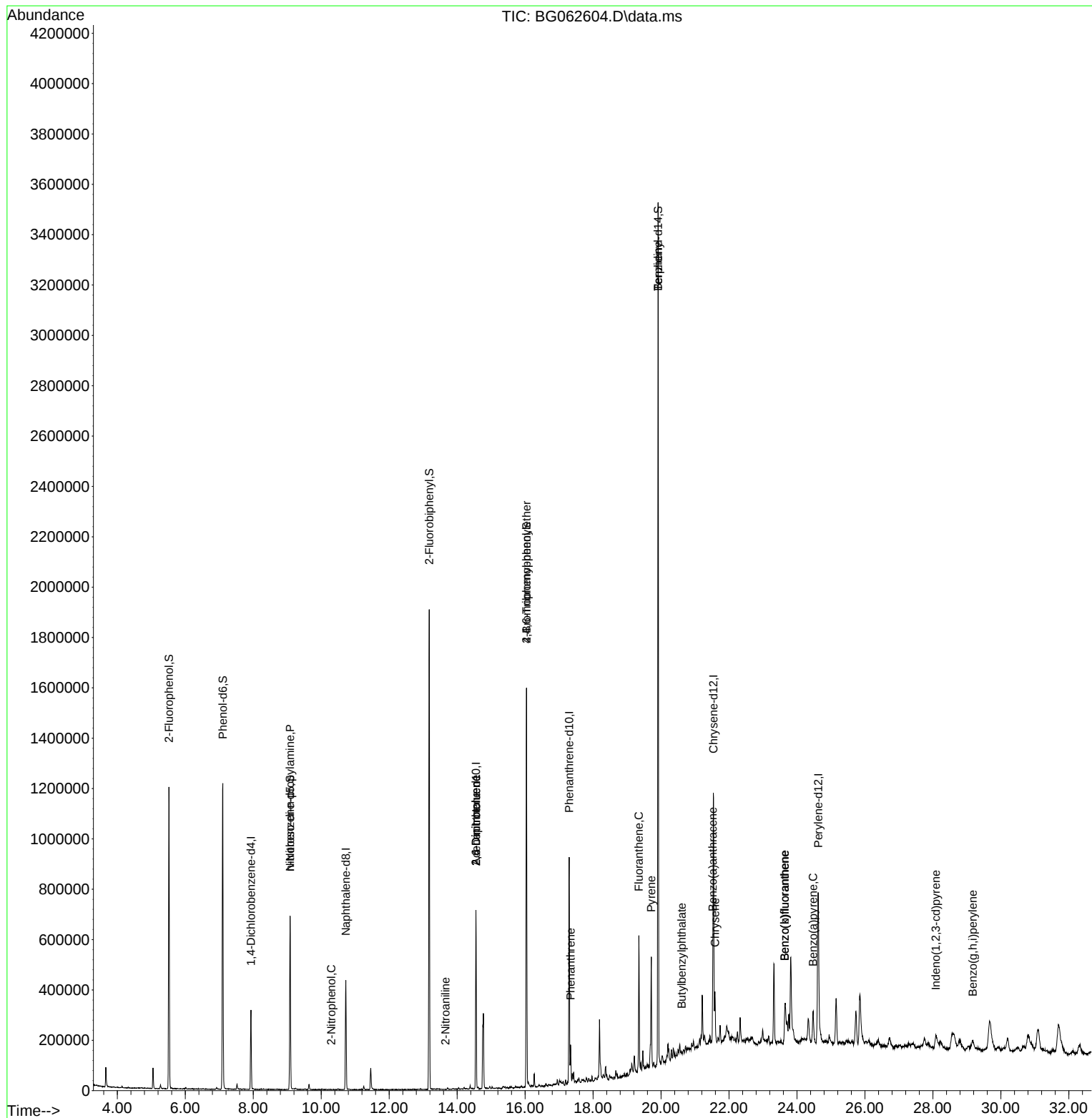
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	89483	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	362954	20.000	ng	# 0.00
39) Acenaphthene-d10	14.554	164	249004	20.000	ng	0.00
64) Phenanthrene-d10	17.297	188	571049	20.000	ng	0.00
76) Chrysene-d12	21.545	240	563225	20.000	ng	0.00
86) Perylene-d12	24.624	264	651631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.517	112	509993	102.242	ng	0.00
7) Phenol-d6	7.103	99	686834	96.669	ng	0.00
23) Nitrobenzene-d5	9.084	82	404761	74.011	ng	0.00
42) 2,4,6-Tribromophenol	16.040	330	327852	119.193	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	991467	65.472	ng	0.00
79) Terphenyl-d14	19.912	244	1800760	66.846	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.084	70	52572	11.049	ng	# 73
26) 2-Nitrophenol	10.294	139	55	2.807	ng	# 31
48) 2-Nitroaniline	13.655	65	65	3.625	ng	# 9
51) 2,6-Dinitrotoluene	14.554	165	32048	13.227	ng	# 21
57) 2,4-Dinitrotoluene	14.554	165	32048	8.668	ng	# 22
67) 4-Bromophenyl-phenylether	16.040	248	21522	3.915	ng	# 1
71) Phenanthrene	17.339	178	89437	3.252	ng	99
75) Fluoranthene	19.348	202	303003	8.801	ng	99
77) Benzidine	19.912	184	28486	7.240	ng	# 95
78) Pyrene	19.712	202	279940	7.817	ng	99
80) Butylbenzylphthalate	20.611	149	908	5.040	ng	# 88
81) Benzo(a)anthracene	21.522	228	153501	4.279	ng	97
83) Chrysene	21.587	228	139516	3.975	ng	95
87) Indeno(1,2,3-cd)pyrene	28.085	276	95055	2.313	ng	97
88) Benzo(b)fluoranthene	23.643	252	186506	5.110	ng	97
89) Benzo(k)fluoranthene	23.643	252	186506	5.150	ng	97
90) Benzo(a)pyrene	24.477	252	141046	4.396	ng	97
92) Benzo(g,h,i)perylene	29.178	276	91728	2.657	ng	94

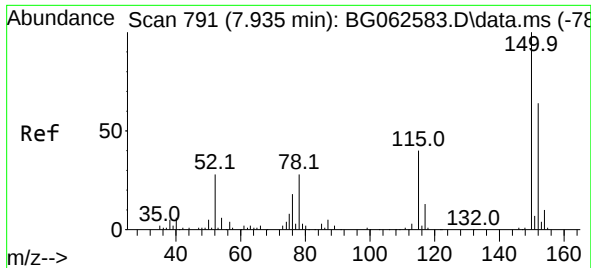
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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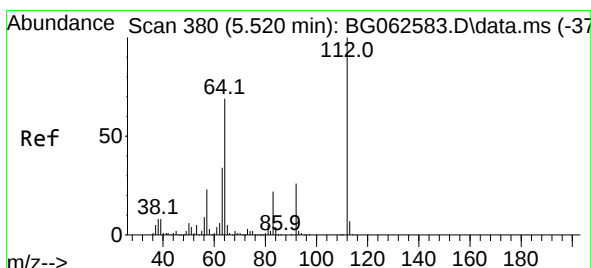
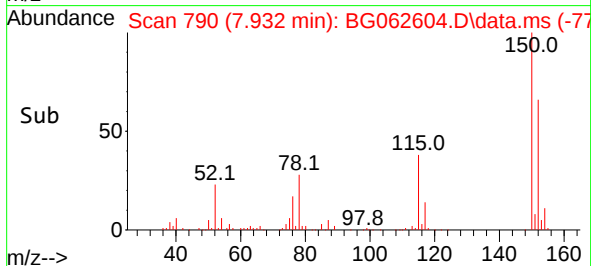
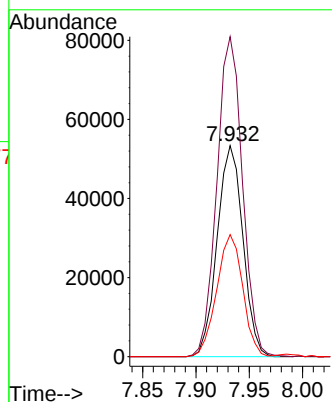
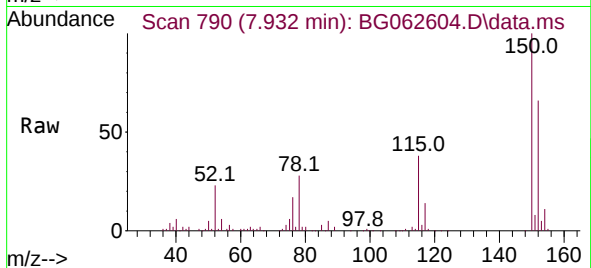




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.932 min Scan# 791
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

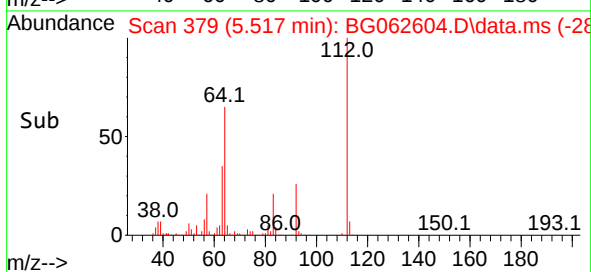
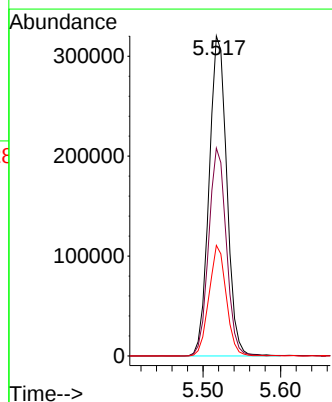
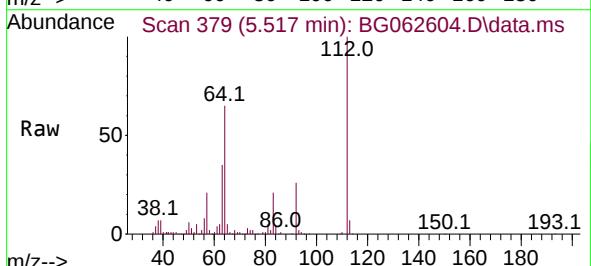
Instrument :
BNA_G
ClientSampleId :
SOIL-MOUND

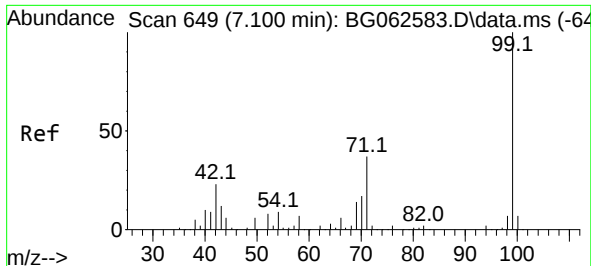
Tgt Ion:152 Resp: 89483
Ion Ratio Lower Upper
152 100
150 151.6 125.1 187.7
115 57.8 50.6 76.0



#5
2-Fluorophenol
Concen: 102.242 ng
RT: 5.517 min Scan# 379
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:112 Resp: 509993
Ion Ratio Lower Upper
112 100
64 64.9 55.5 83.3
63 34.6 27.4 41.2

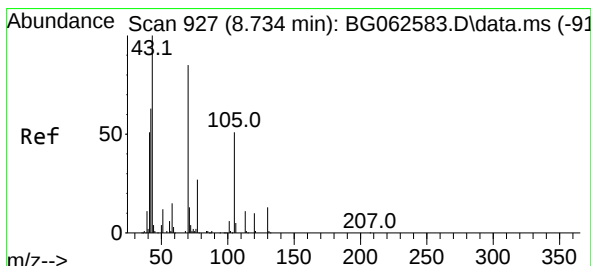
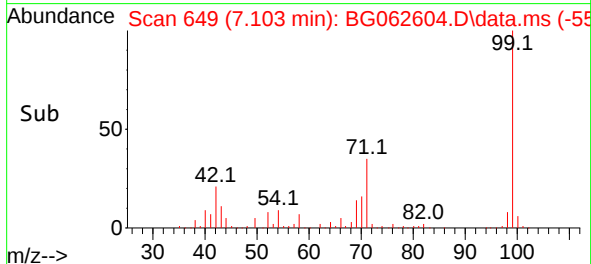
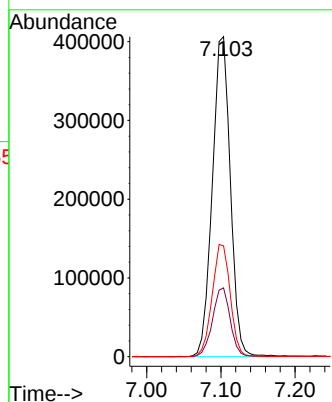
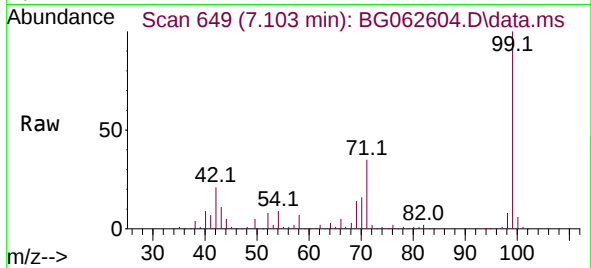




#7
Phenol-d6
Concen: 96.669 ng
RT: 7.103 min Scan# 649
Delta R.T. 0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

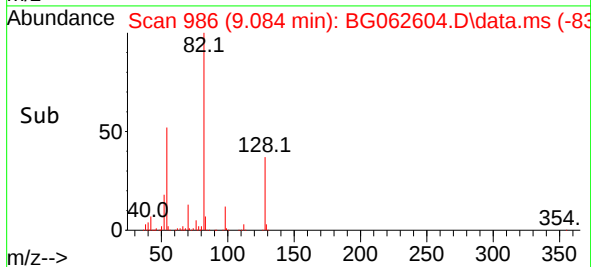
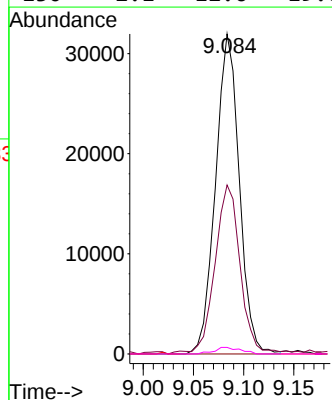
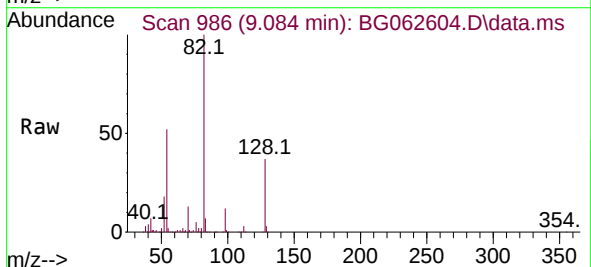
Instrument :
BNA_G
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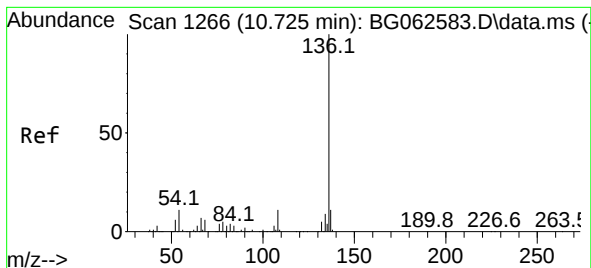
Tgt Ion: 99 Resp: 686834
Ion Ratio Lower Upper
99 100
42 21.5 18.7 28.1
71 34.7 29.8 44.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.049 ng
RT: 9.084 min Scan# 986
Delta R.T. 0.350 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion: 70 Resp: 52572
Ion Ratio Lower Upper
70 100
42 52.8 60.0 90.0#
101 0.0 6.1 9.1#
130 2.1 12.6 19.0#

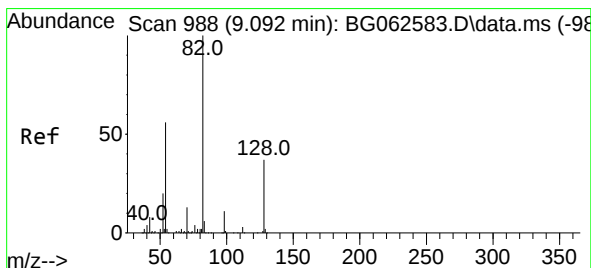
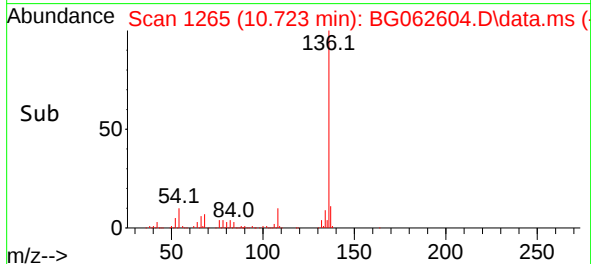
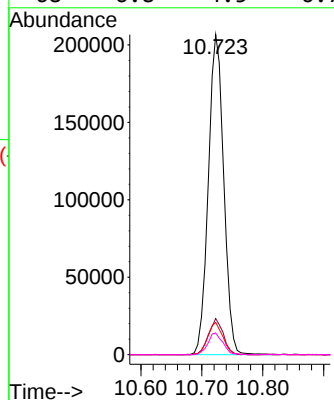
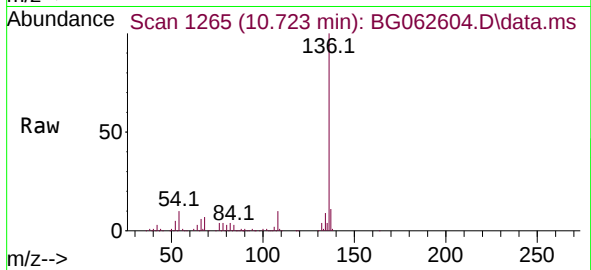




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 1265
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

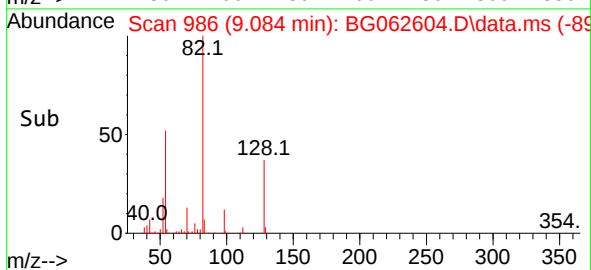
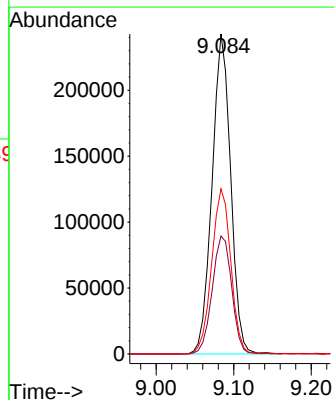
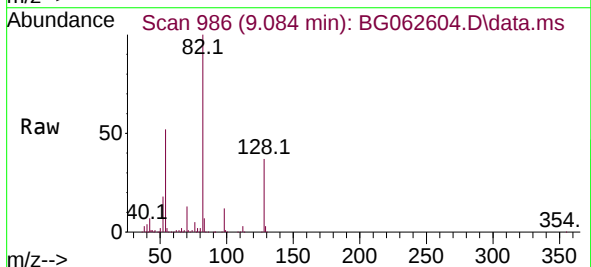
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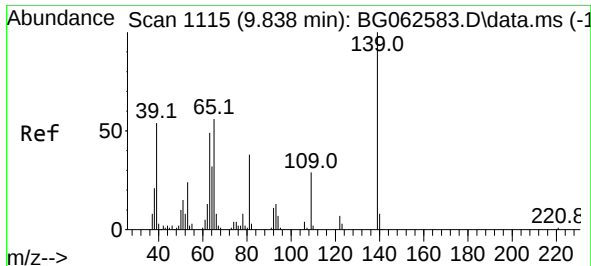
Tgt Ion:	136	Resp:	362954
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	10.1	9.0	13.4
68	6.8	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 74.011 ng
RT: 9.084 min Scan# 986
Delta R.T. -0.009 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:	82	Resp:	404761
Ion	Ratio	Lower	Upper
82	100		
128	36.9	29.7	44.5
54	51.6	44.4	66.6

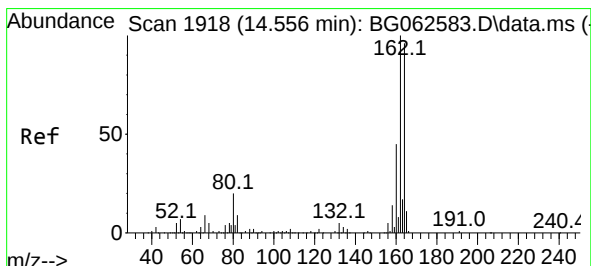
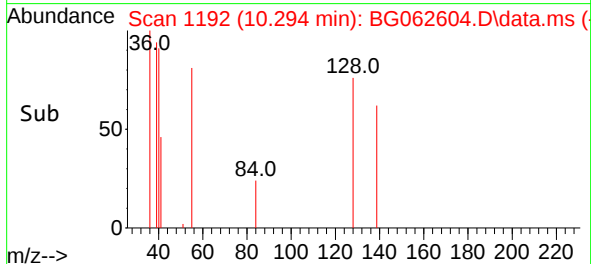
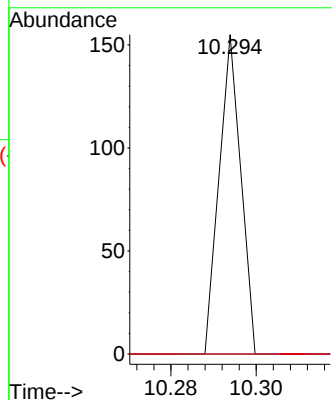
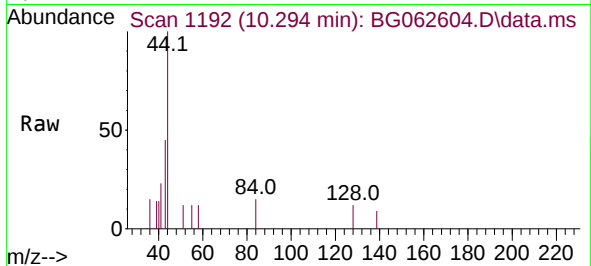




#26
2-Nitrophenol
Concen: 2.807 ng
RT: 10.294 min Scan# 1115
Delta R.T. 0.456 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

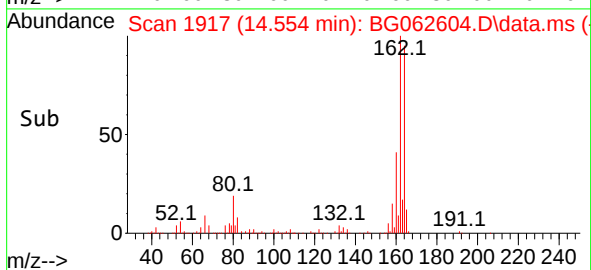
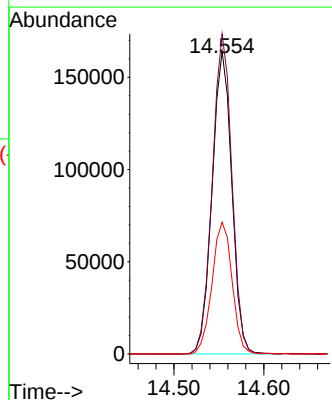
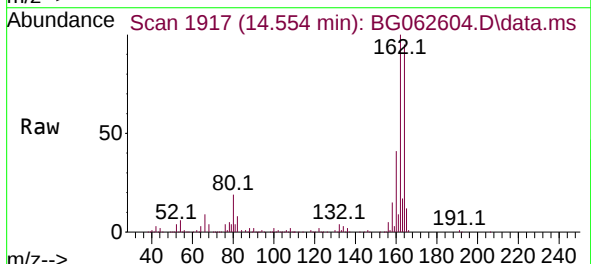
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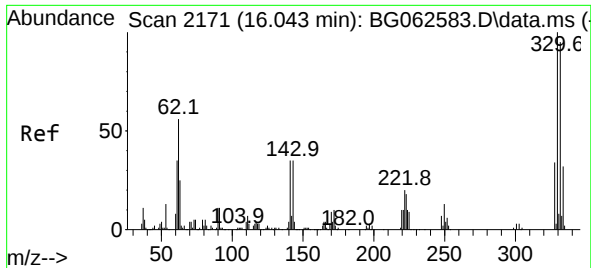
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 23.1 34.7#
65 0.0 44.6 67.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.554 min Scan# 1917
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:164 Resp: 249004
Ion Ratio Lower Upper
164 100
162 105.8 83.0 124.6
160 43.5 37.7 56.5

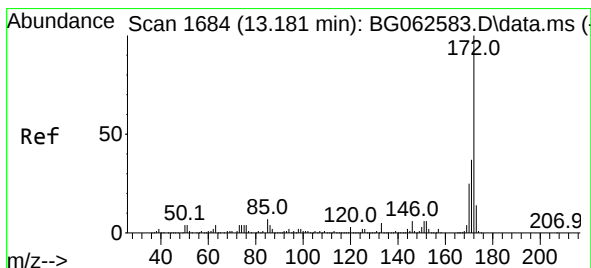
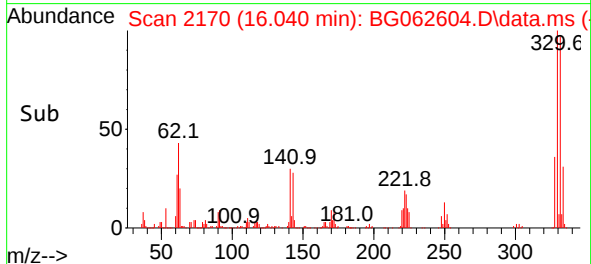
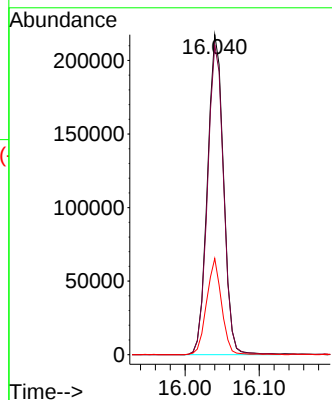
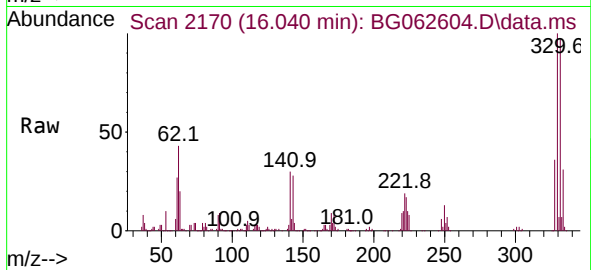




#42
2,4,6-Tribromophenol
Concen: 119.193 ng
RT: 16.040 min Scan# 2171
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

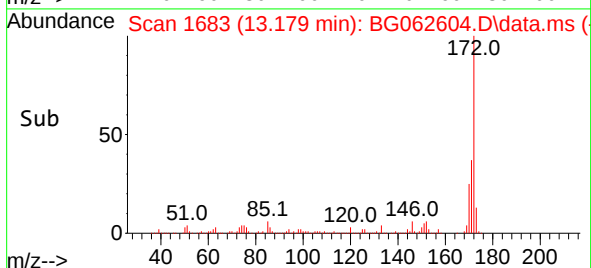
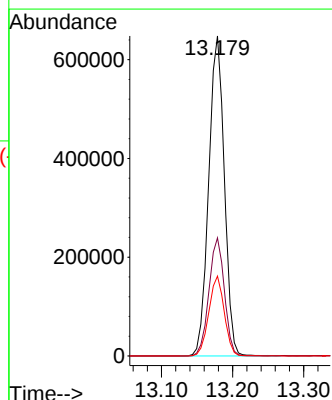
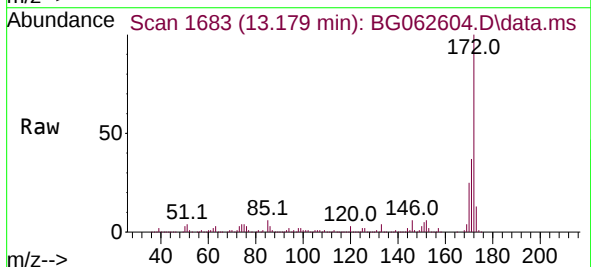
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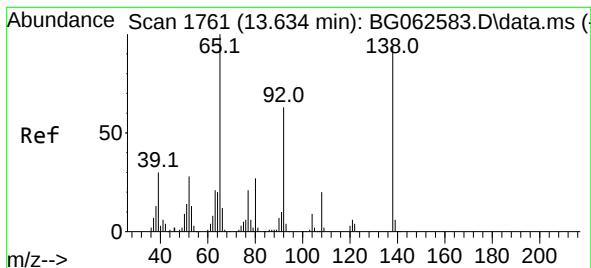
Tgt Ion:330 Resp: 327852
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 28.1 26.5 39.7



#45
2-Fluorobiphenyl
Concen: 65.472 ng
RT: 13.179 min Scan# 1683
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:172 Resp: 991467
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 25.0 20.1 30.1

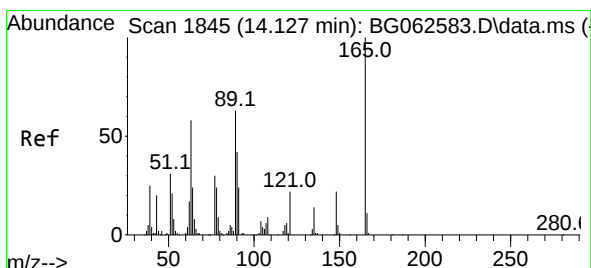
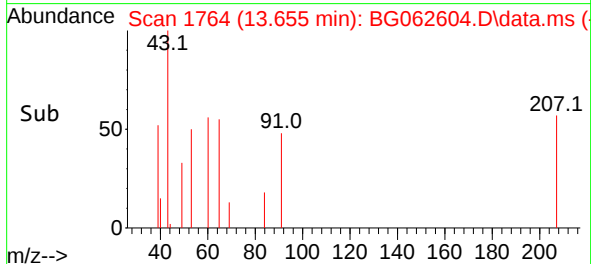
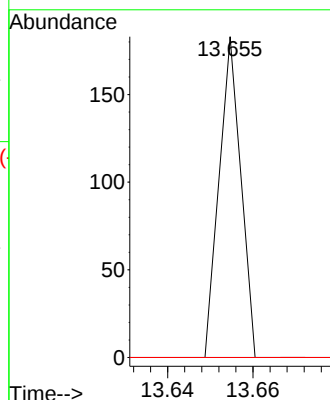
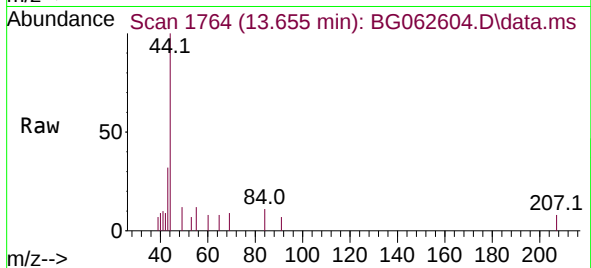




#48
2-Nitroaniline
Concen: 3.625 ng
RT: 13.655 min Scan# 11
Delta R.T. 0.021 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

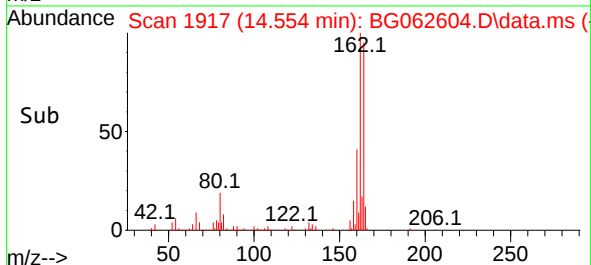
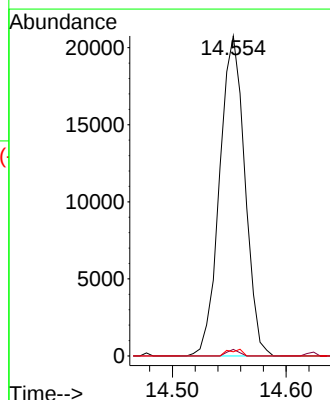
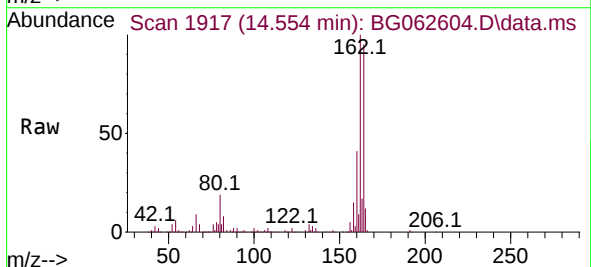
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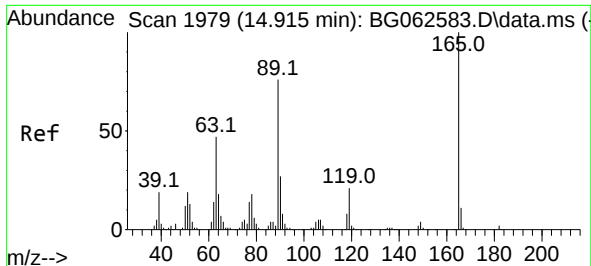
Tgt Ion: 65 Resp: 65
Ion Ratio Lower Upper
65 100
92 0.0 50.6 76.0#
138 0.0 75.4 113.2#



#51
2,6-Dinitrotoluene
Concen: 13.227 ng
RT: 14.554 min Scan# 1917
Delta R.T. 0.427 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion: 165 Resp: 32048
Ion Ratio Lower Upper
165 100
63 2.0 51.0 76.6#
89 1.3 50.6 76.0#

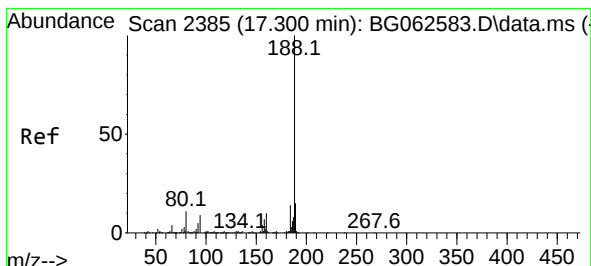
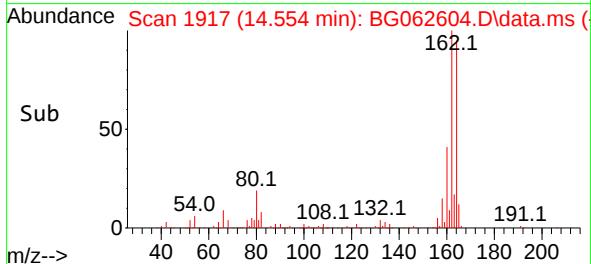
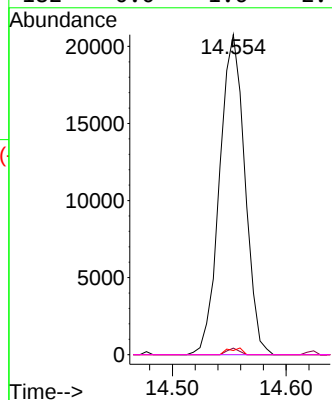
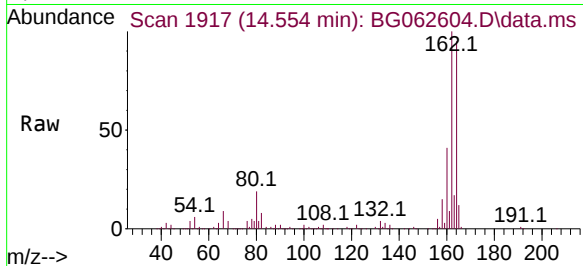




#57
2,4-Dinitrotoluene
Concen: 8.668 ng
RT: 14.554 min Scan# 1979
Delta R.T. -0.361 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

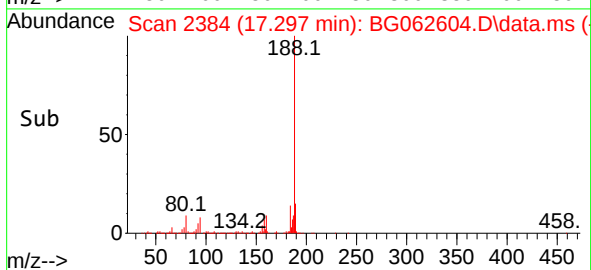
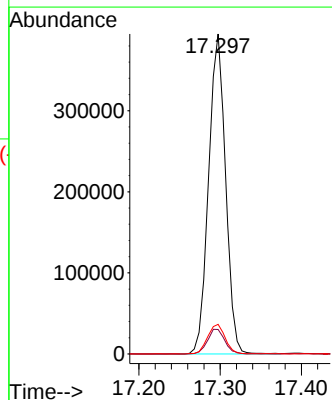
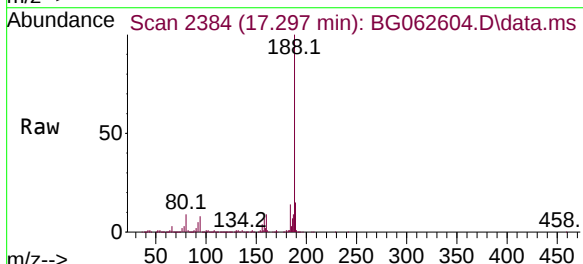
Instrument :
BNA_G
ClientSampleId :
SOIL-MOUND

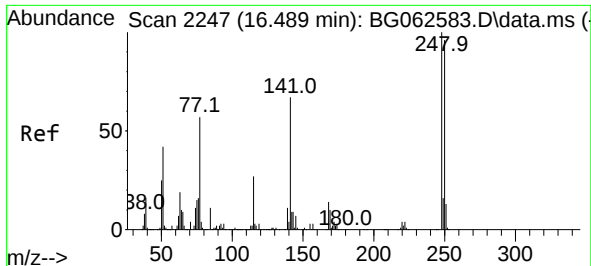
Tgt Ion:165	Resp:	32048
Ion Ratio	Lower	Upper
165	100	
63	2.0	37.5 56.3#
89	1.3	60.8 91.2#
182	0.0	1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.297 min Scan# 2384
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:188	Resp:	571049
Ion Ratio	Lower	Upper
188	100	
94	7.7	7.0 10.6
80	9.2	8.4 12.6

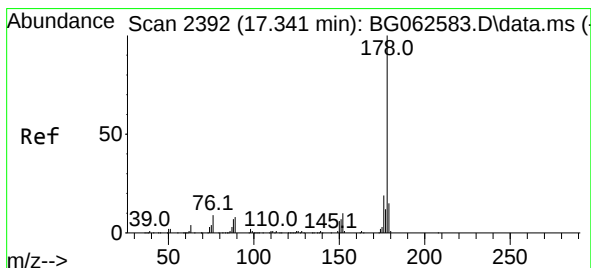
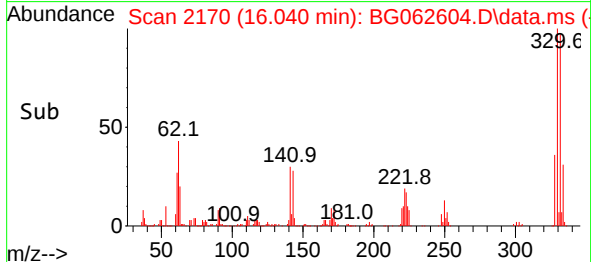
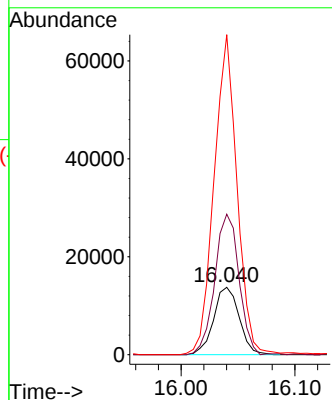
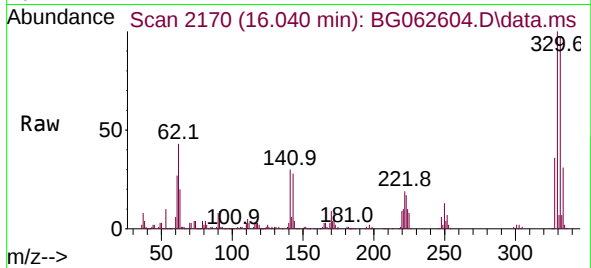




#67
4-Bromophenyl-phenylether
Concen: 3.915 ng
RT: 16.040 min Scan# 2170
Delta R.T. -0.449 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

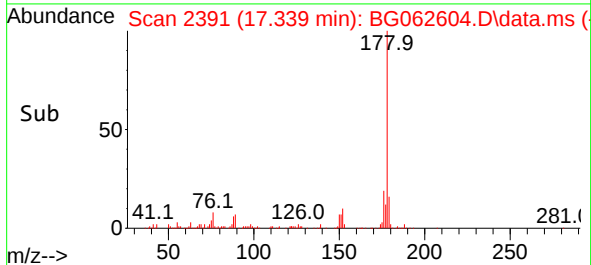
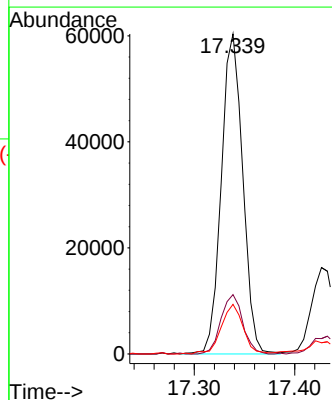
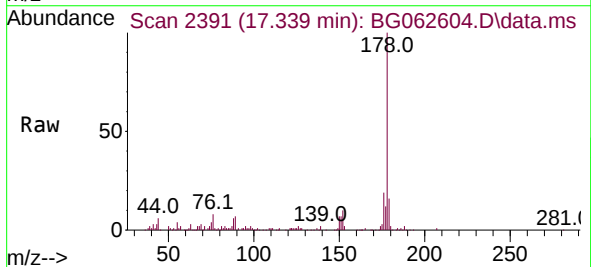
Instrument :
BNA_G
ClientSampleId :
SOIL-MOUND

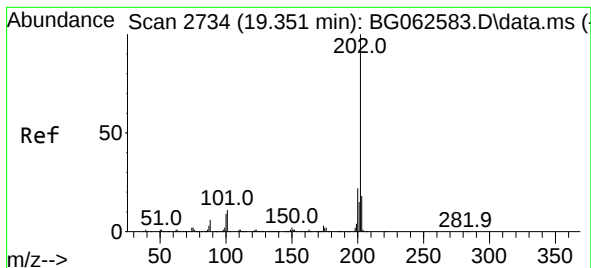
Tgt Ion:248 Resp: 21522
Ion Ratio Lower Upper
248 100
250 156.2 76.7 115.1#
141 355.6 54.0 81.0#



#71
Phenanthrene
Concen: 3.252 ng
RT: 17.339 min Scan# 2391
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:178 Resp: 89437
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.5 12.1 18.1





#75

Fluoranthene

Concen: 8.801 ng

RT: 19.348 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

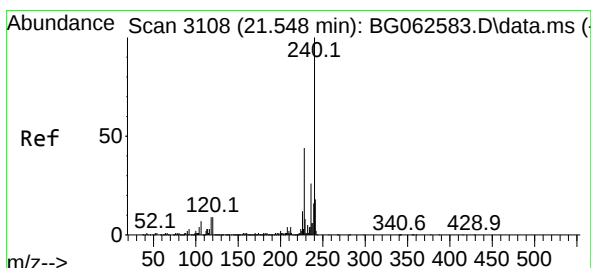
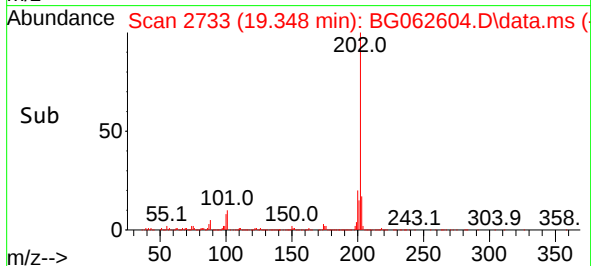
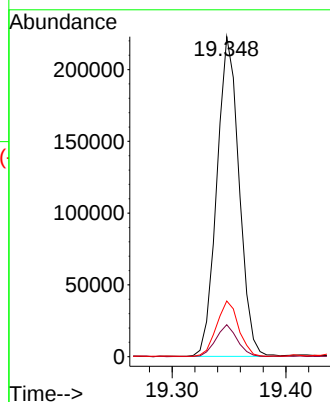
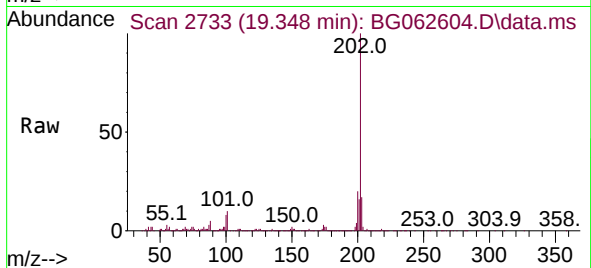
Tgt Ion:202 Resp: 303003

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.8

203 17.4 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.545 min Scan# 3107

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

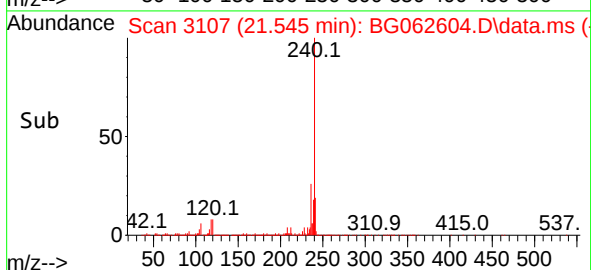
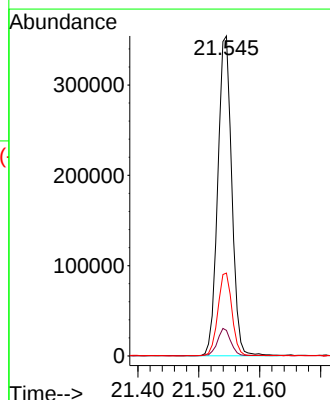
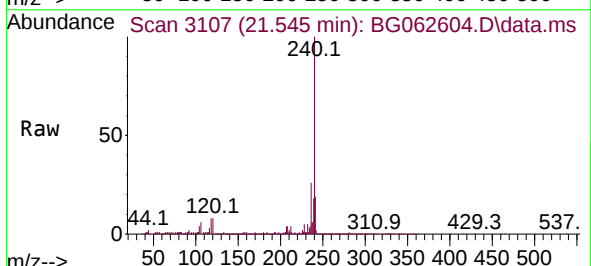
Tgt Ion:240 Resp: 563225

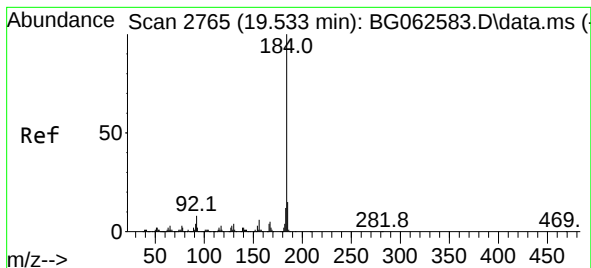
Ion Ratio Lower Upper

240 100

120 8.0 7.4 11.0

236 25.9 20.5 30.7





#77

Benzidine

Concen: 7.240 ng

RT: 19.912 min Scan# 2765

Delta R.T. 0.379 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

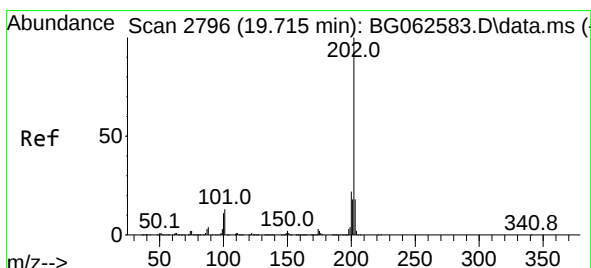
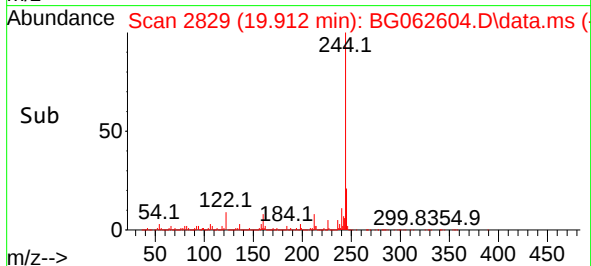
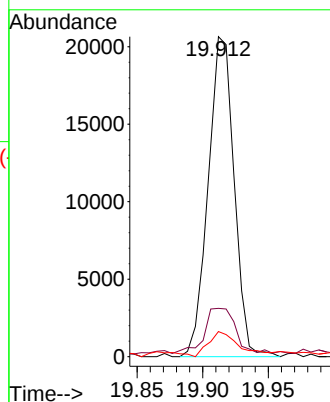
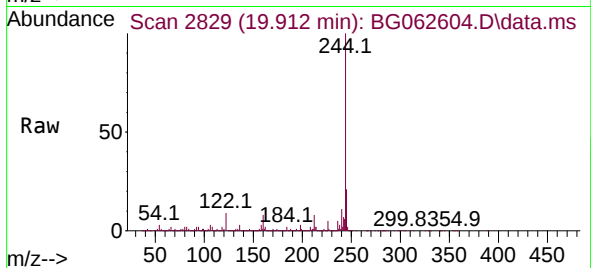
Tgt Ion:184 Resp: 28486

Ion Ratio Lower Upper

184 100

185 15.1 11.8 17.8

183 7.8 9.3 13.9#



#78

Pyrene

Concen: 7.817 ng

RT: 19.712 min Scan# 2795

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

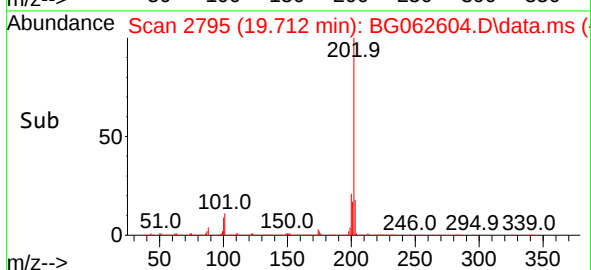
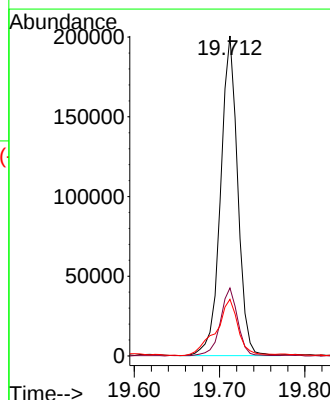
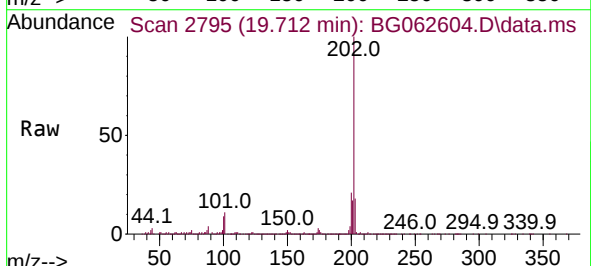
Tgt Ion:202 Resp: 279940

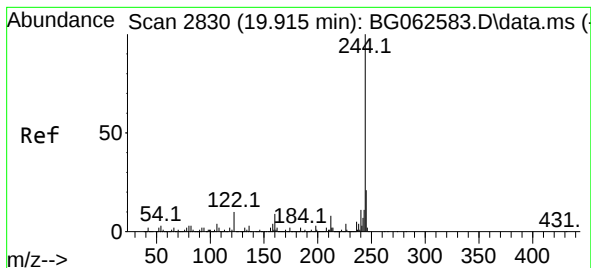
Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 66.846 ng

RT: 19.912 min Scan# 2

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

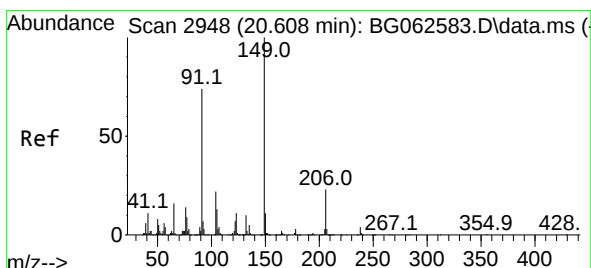
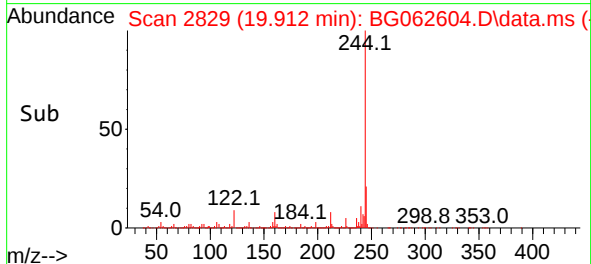
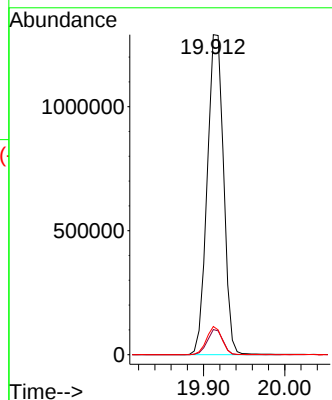
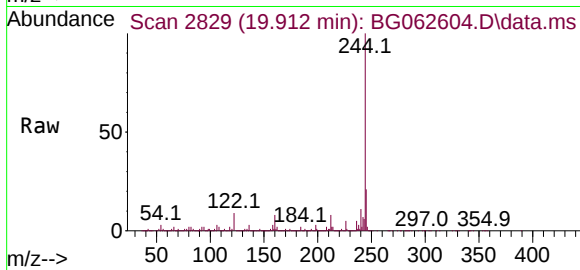
Tgt Ion:244 Resp: 1800760

Ion Ratio Lower Upper

244 100

212 7.9 6.7 10.1

122 8.8 8.4 12.6



#80

Butylbenzylphthalate

Concen: 5.040 ng

RT: 20.611 min Scan# 2948

Delta R.T. 0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

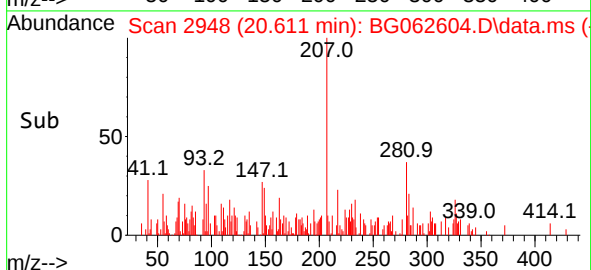
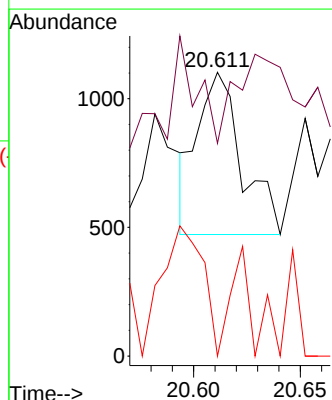
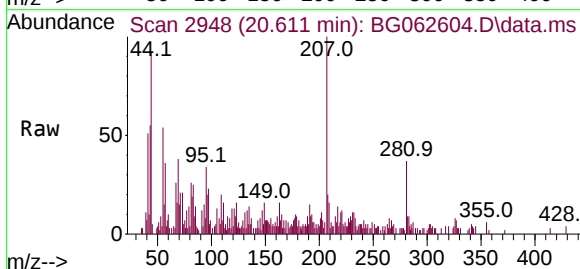
Tgt Ion:149 Resp: 908

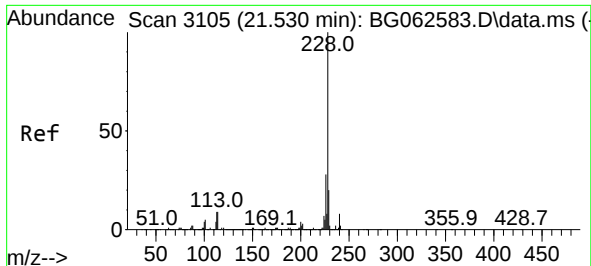
Ion Ratio Lower Upper

149 100

91 75.0 59.0 88.6

206 0.0 18.5 27.7#

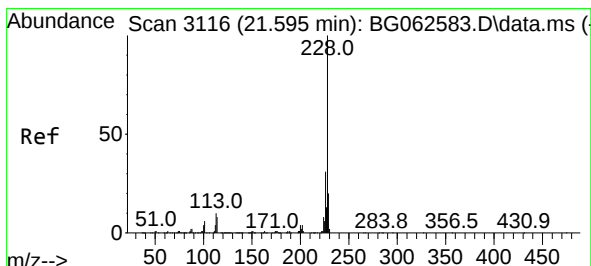
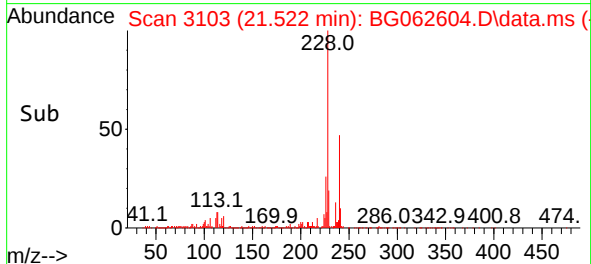
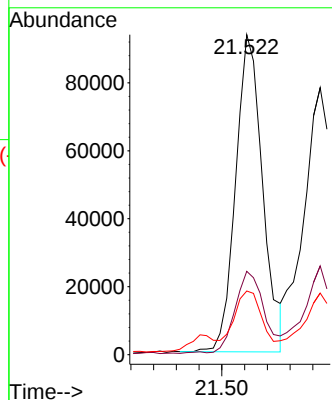
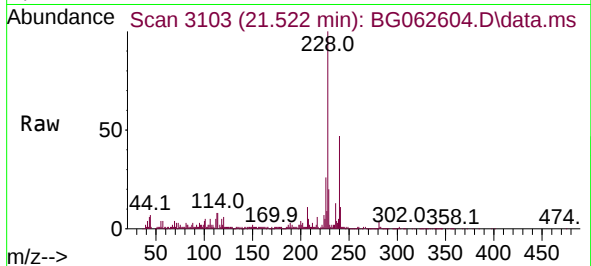




#81
Benzo(a)anthracene
Concen: 4.279 ng
RT: 21.522 min Scan# 3103
Delta R.T. -0.009 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

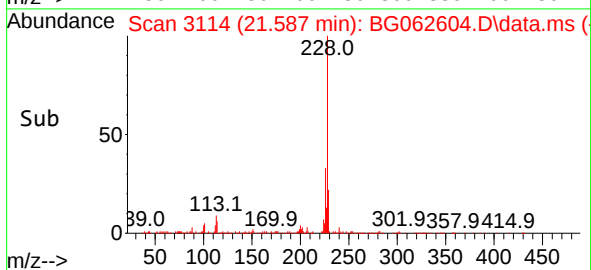
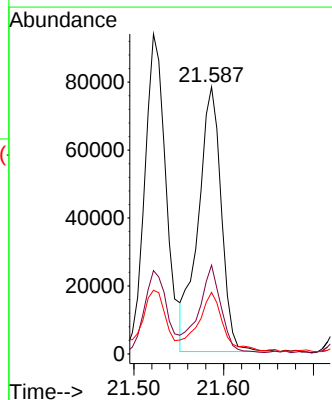
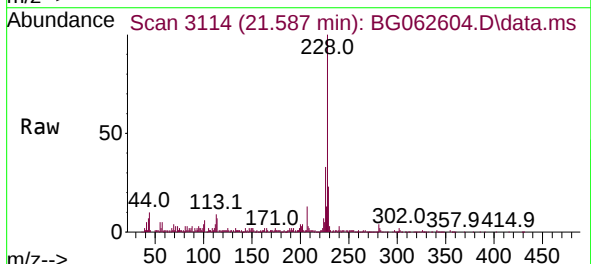
Instrument :
BNA_G
ClientSampleId :
SOIL-MOUND

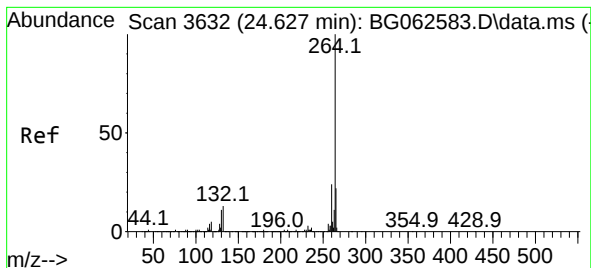
Tgt Ion:228 Resp: 153501
Ion Ratio Lower Upper
228 100
226 26.1 22.6 33.8
229 19.9 16.2 24.2



#83
Chrysene
Concen: 3.975 ng
RT: 21.587 min Scan# 3114
Delta R.T. -0.009 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:228 Resp: 139516
Ion Ratio Lower Upper
228 100
226 33.3 24.6 37.0
229 23.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.624 min Scan# 3

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

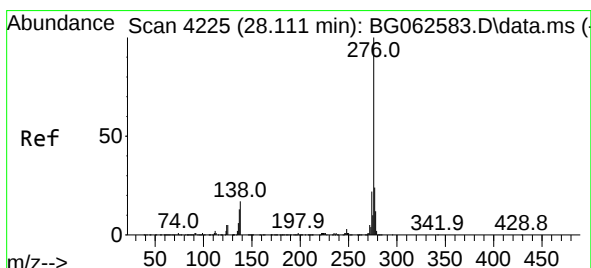
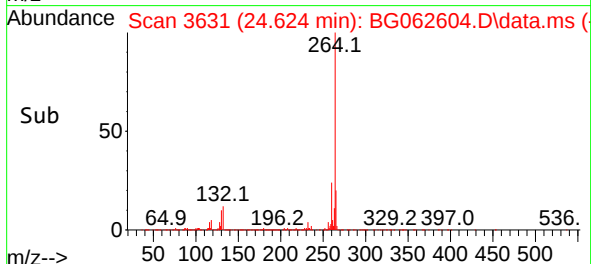
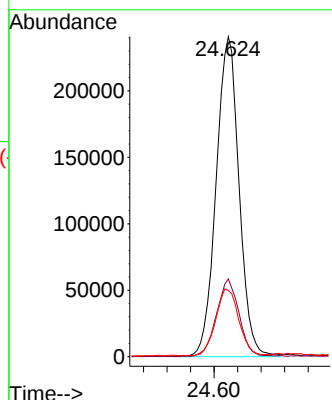
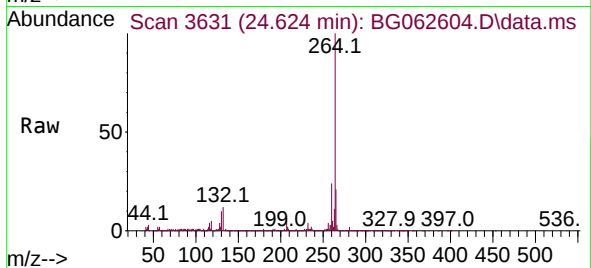
Tgt Ion:264 Resp: 651631

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.4

265 20.7 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.313 ng

RT: 28.085 min Scan# 4220

Delta R.T. -0.026 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

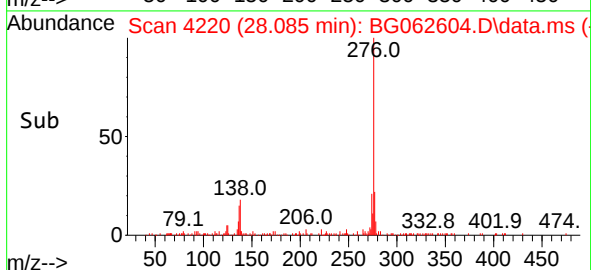
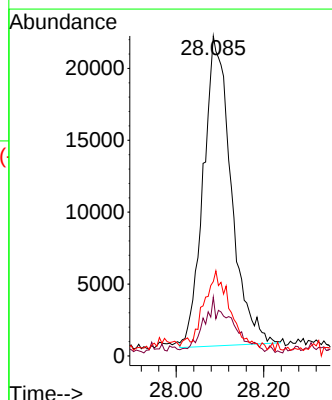
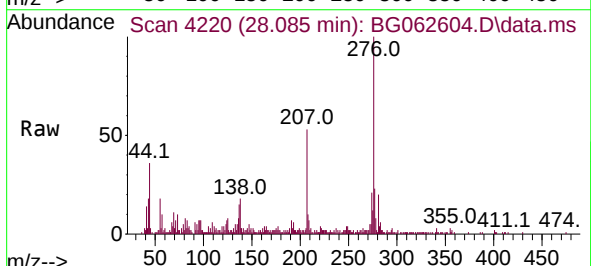
Tgt Ion:276 Resp: 95055

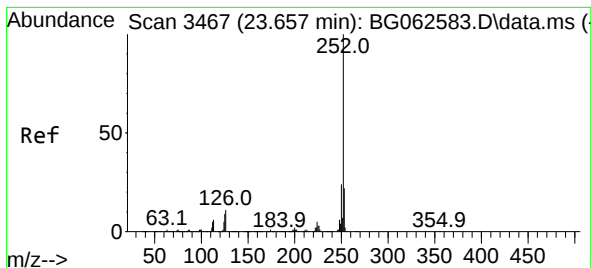
Ion Ratio Lower Upper

276 100

138 18.1 12.6 18.8

277 24.1 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.110 ng

RT: 23.643 min Scan# 3464

Delta R.T. -0.014 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

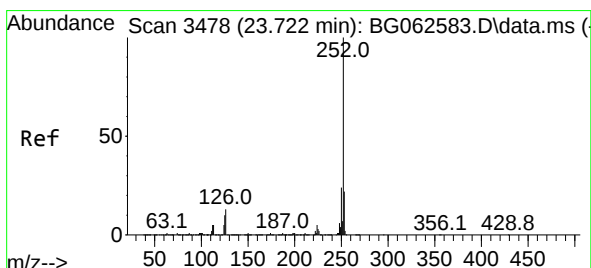
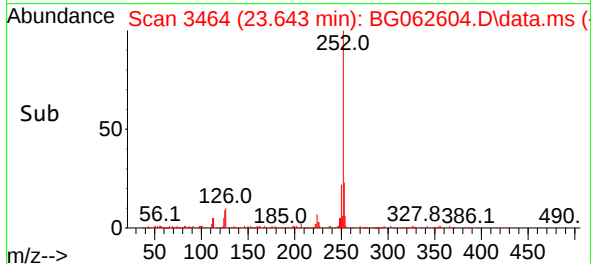
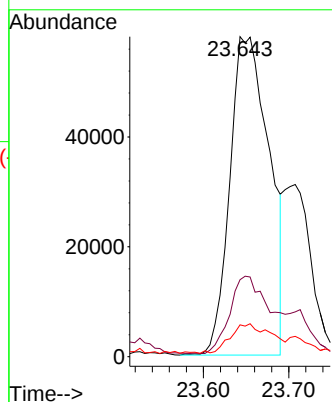
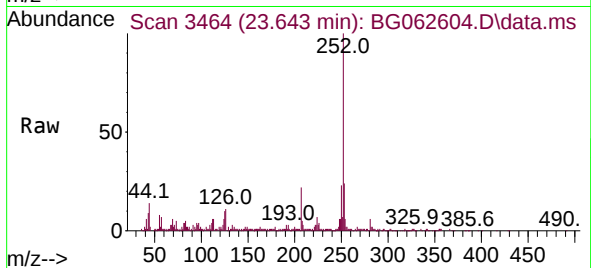
Tgt Ion:252 Resp: 186506

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 9.9 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 5.150 ng

RT: 23.643 min Scan# 3464

Delta R.T. -0.079 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

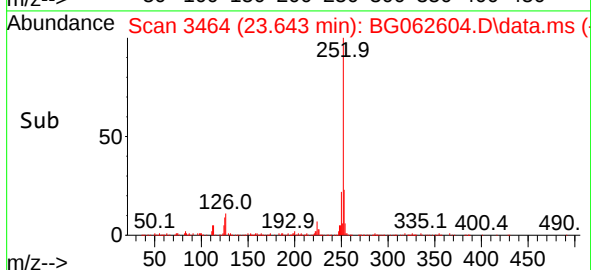
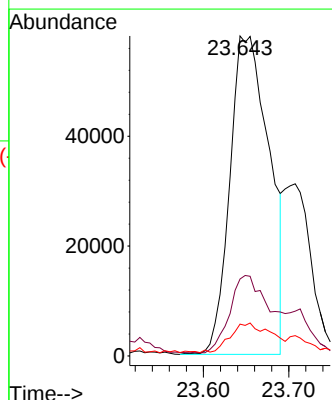
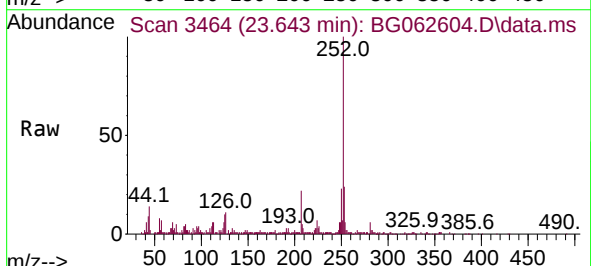
Tgt Ion:252 Resp: 186506

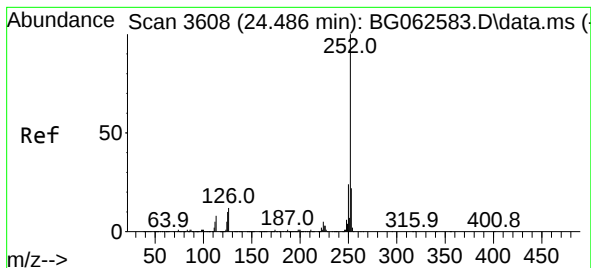
Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 9.9 7.5 11.3





#90

Benzo(a)pyrene

Concen: 4.396 ng

RT: 24.477 min Scan# 3

Delta R.T. -0.009 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

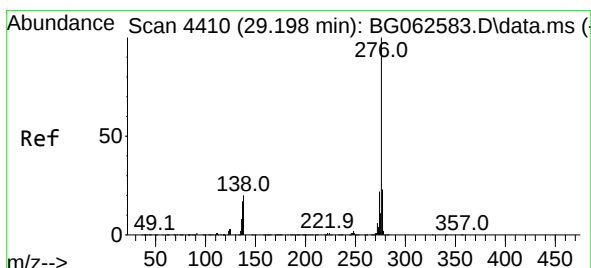
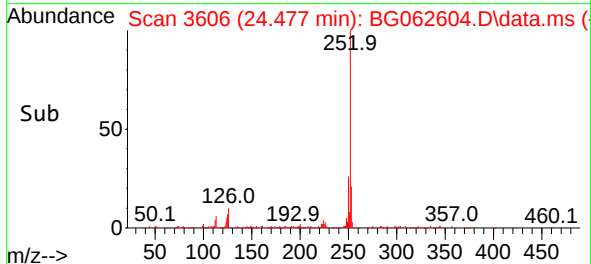
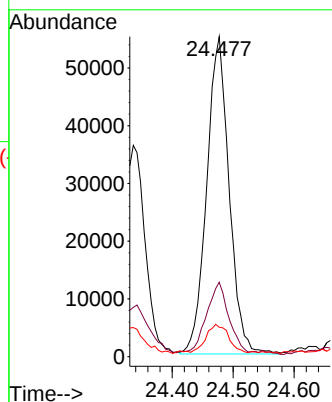
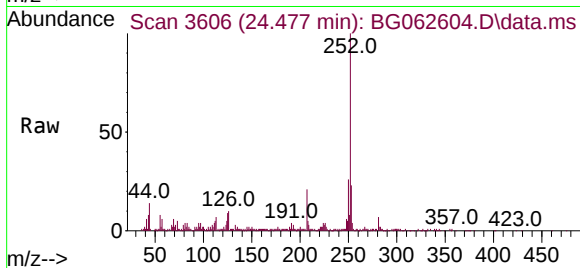
Tgt Ion:252 Resp: 141046

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 9.2 7.9 11.9



#92

Benzo(g,h,i)perylene

Concen: 2.657 ng

RT: 29.178 min Scan# 4406

Delta R.T. -0.020 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Tgt Ion:276 Resp: 91728

Ion Ratio Lower Upper

276 100

277 26.7 18.8 28.2

138 16.8 15.8 23.6

