

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
 Data File : BG064069.D
 Acq On : 7 Mar 2025 21:43
 Operator : RC/JU
 Sample : Q1494-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ASPHALT-SOIL

Quant Time: Mar 07 22:58:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

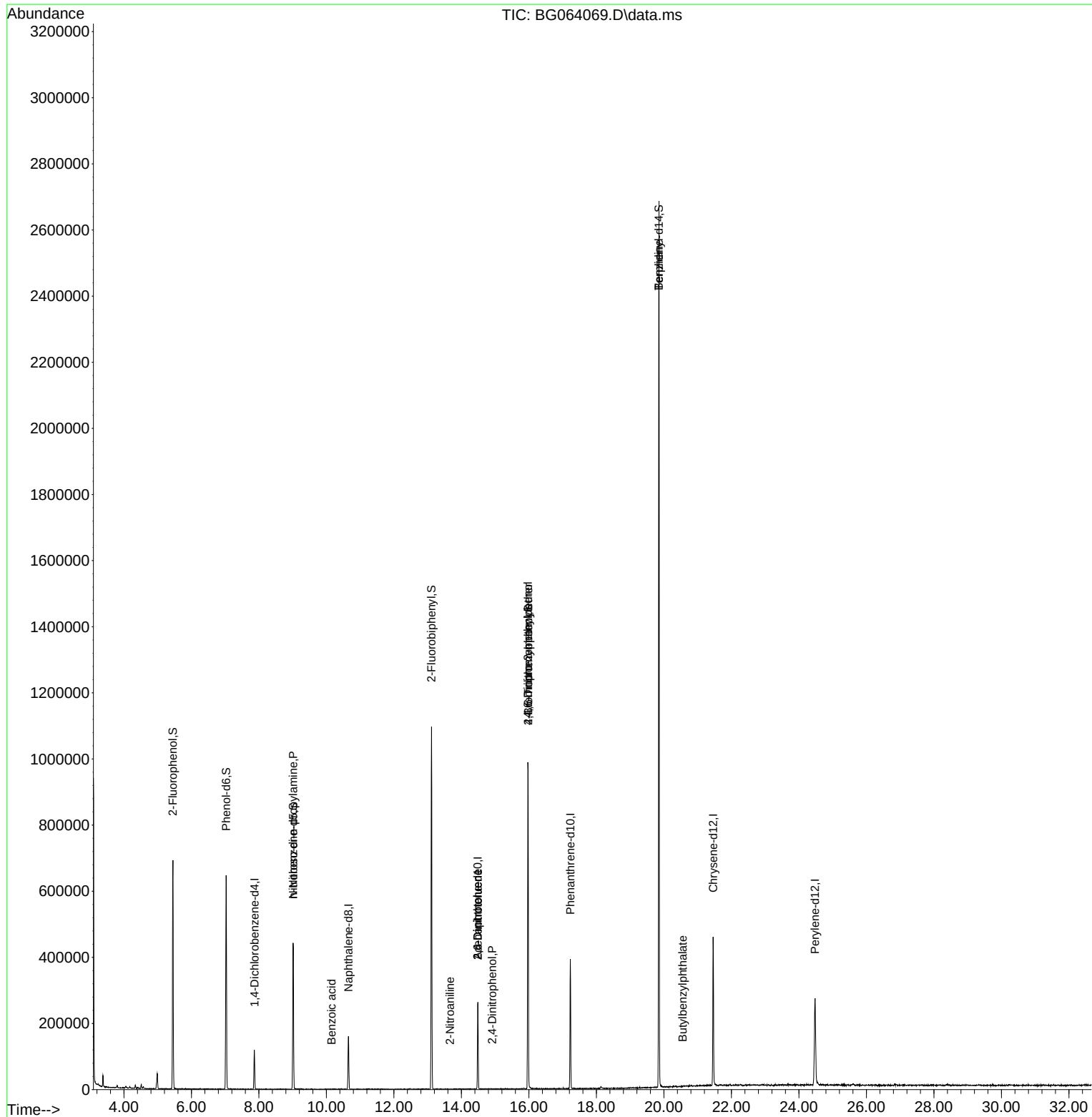
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.867	152	28343	20.000	ng	# 0.00
21) Naphthalene-d8	10.651	136	120977	20.000	ng	0.00
39) Acenaphthene-d10	14.482	164	86239	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	220436	20.000	ng	0.00
76) Chrysene-d12	21.456	240	242369	20.000	ng	0.00
86) Perylene-d12	24.476	264	256156	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	248977	137.164	ng	0.00
7) Phenol-d6	7.026	99	312227	126.441	ng	0.00
23) Nitrobenzene-d5	9.012	82	233253	106.549	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	163799	170.872	ng	0.00
45) 2-Fluorobiphenyl	13.113	172	527882	92.912	ng	0.00
79) Terphenyl-d14	19.852	244	1236811	103.183	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.012	70	31380	18.107	ng	# 73
32) Benzoic acid	10.152	122	57	8.728	ng	# 1
48) 2-Nitroaniline	13.666	65	58	3.253	ng	# 11
51) 2,6-Dinitrotoluene	14.482	165	12036	12.025	ng	# 18
54) 2,4-Dinitrophenol	14.917	184	74	8.006	ng	# 15
57) 2,4-Dinitrotoluene	14.482	165	12036	9.887	ng	# 19
65) 4,6-Dinitro-2-methylph...	15.969	198	861	8.929	ng	# 77
67) 4-Bromophenyl-phenylether	15.975	248	12064	5.344	ng	# 1
77) Benzidine	19.852	184	23288	6.939	ng	# 89
80) Butylbenzylphthalate	20.552	149	325	3.689	ng	# 20

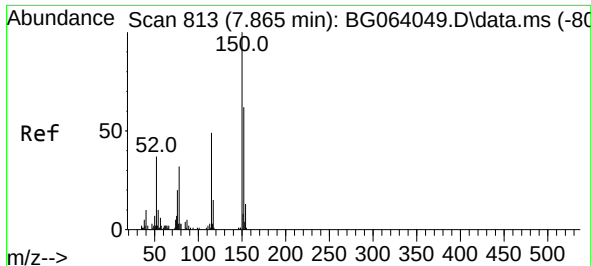
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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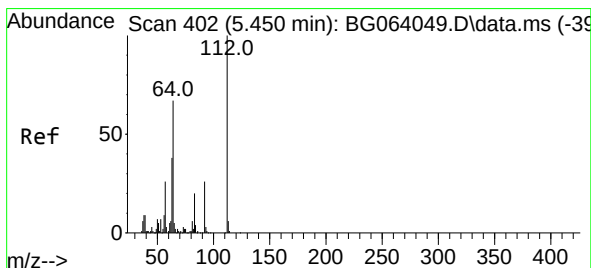
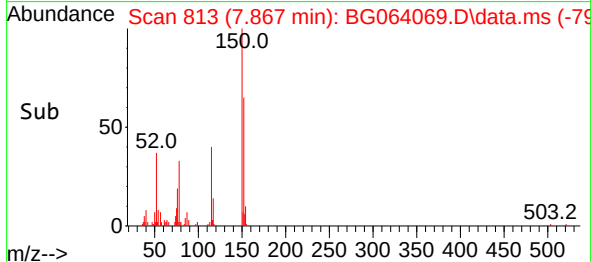
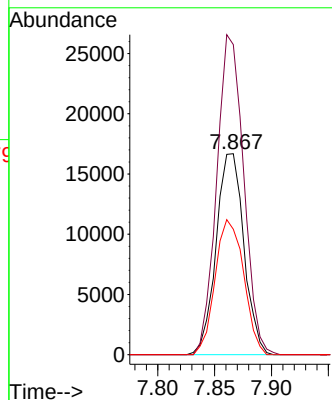
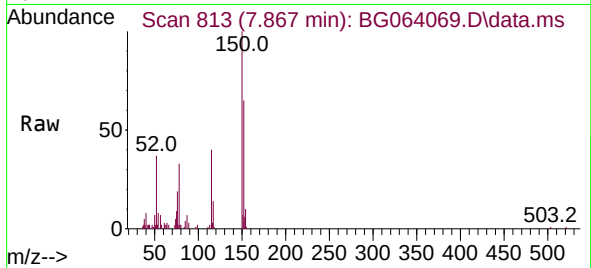




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 813
Delta R.T. 0.002 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

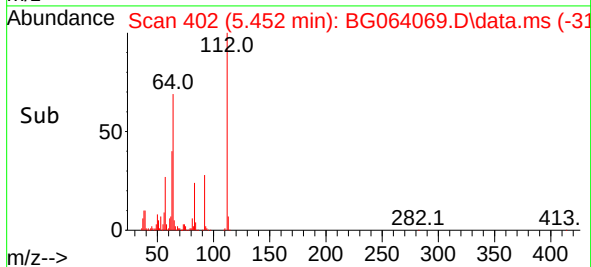
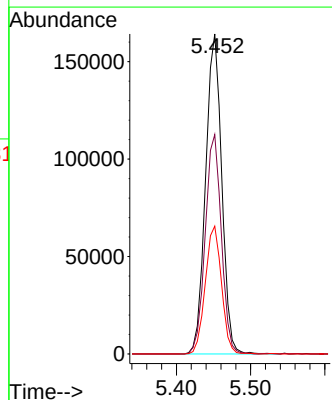
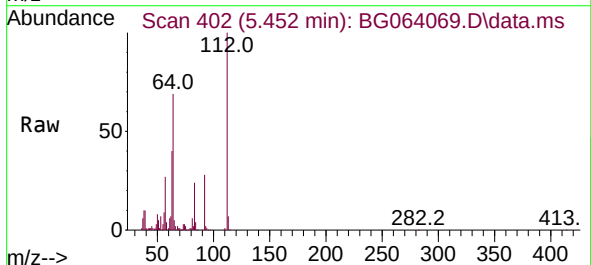
Instrument :
BNA_G
ClientSampleId :
ASPHALT-SOIL

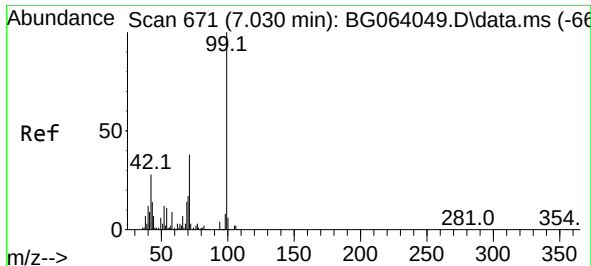
Tgt Ion:152 Resp: 28343
Ion Ratio Lower Upper
152 100
150 154.3 129.2 193.8
115 62.4 63.0 94.6#



#5
2-Fluorophenol
Concen: 137.164 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

Tgt Ion:112 Resp: 248977
Ion Ratio Lower Upper
112 100
64 68.6 53.7 80.5
63 40.0 30.2 45.4

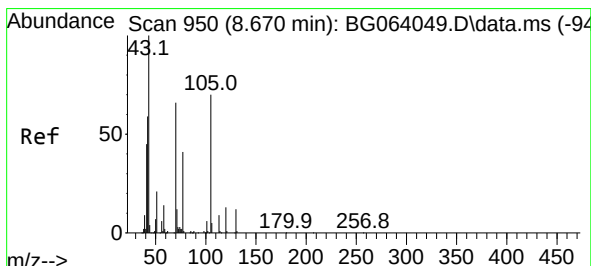
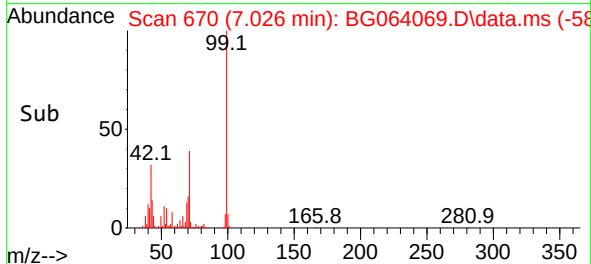
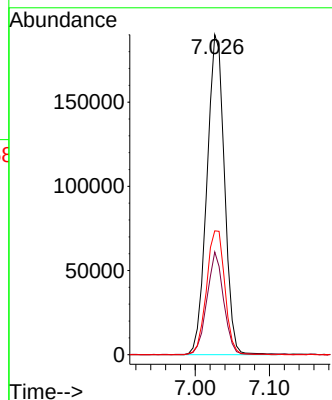
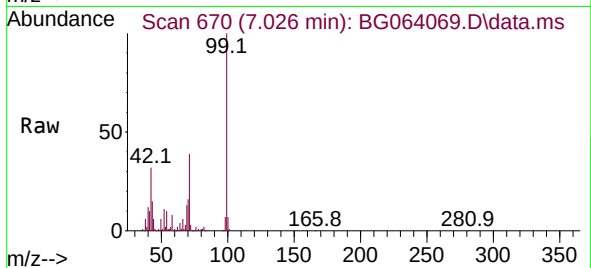




#7
Phenol-d6
Concen: 126.441 ng
RT: 7.026 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

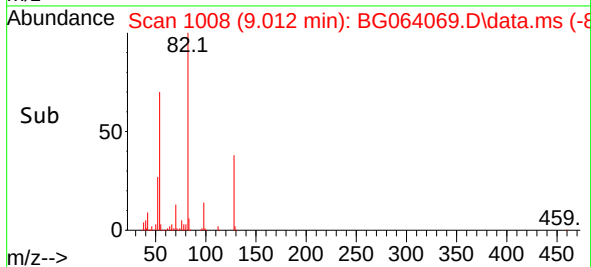
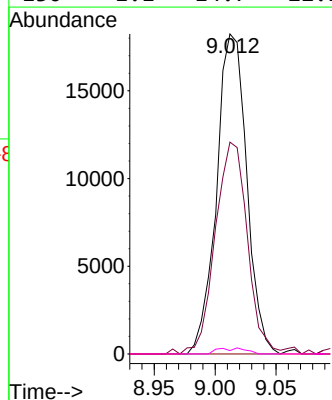
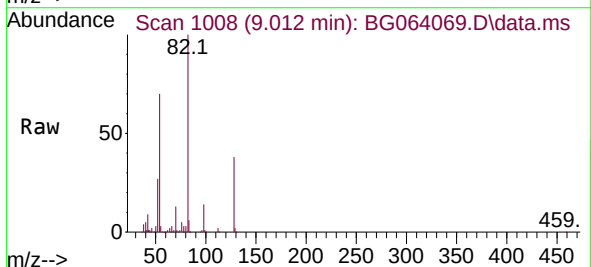
Instrument :
BNA_G
ClientSampleId :
ASPHALT-SOIL

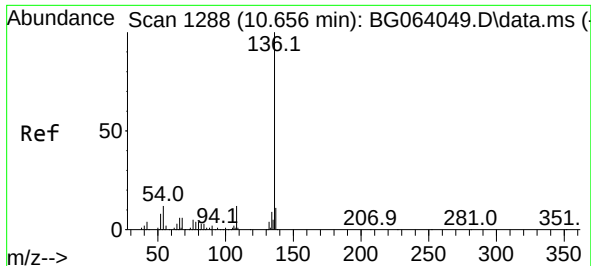
Tgt Ion: 99 Resp: 312227
Ion Ratio Lower Upper
99 100
42 32.1 22.7 34.1
71 38.7 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.107 ng
RT: 9.012 min Scan# 1008
Delta R.T. 0.343 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

Tgt Ion: 70 Resp: 31380
Ion Ratio Lower Upper
70 100
42 66.2 72.1 108.1#
101 0.0 7.2 10.8#
130 1.1 14.7 22.1#

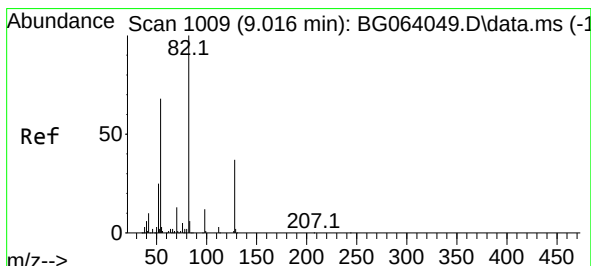
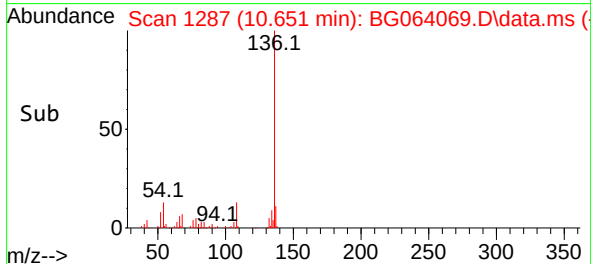
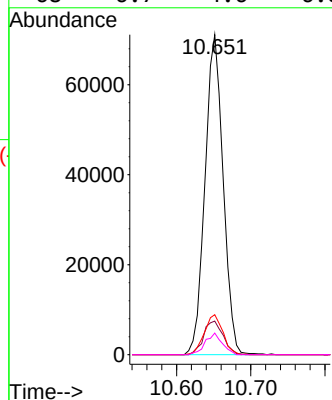
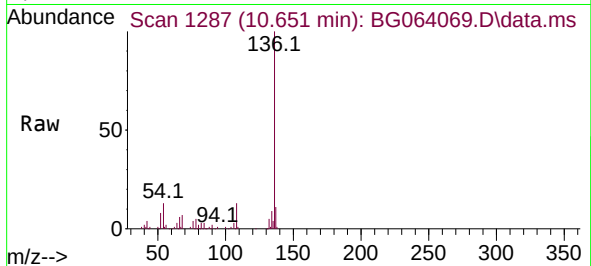




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

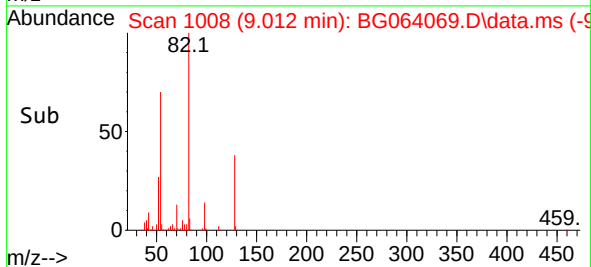
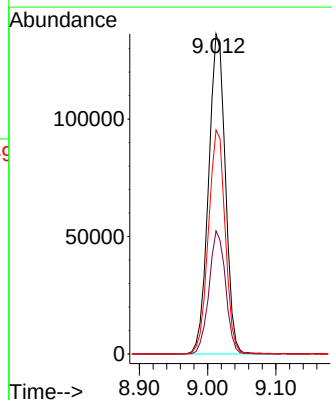
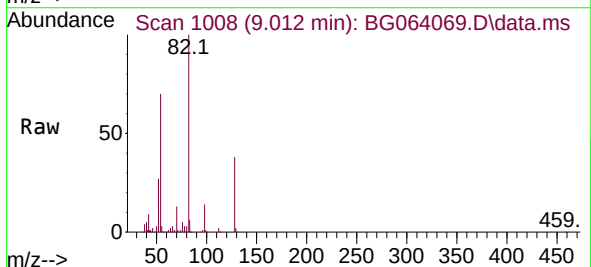
Instrument :
BNA_G
ClientSampleId :
ASPHALT-SOIL

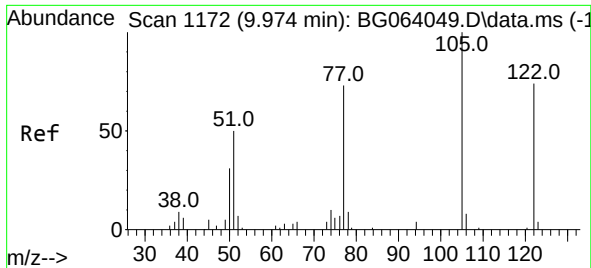
Tgt Ion:	136	Resp:	120977
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	12.5	9.9	14.9
68	6.7	4.6	6.8



#23
Nitrobenzene-d5
Concen: 106.549 ng
RT: 9.012 min Scan# 1008
Delta R.T. -0.004 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

Tgt Ion:	82	Resp:	233253
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.0	45.0
54	70.0	54.7	82.1

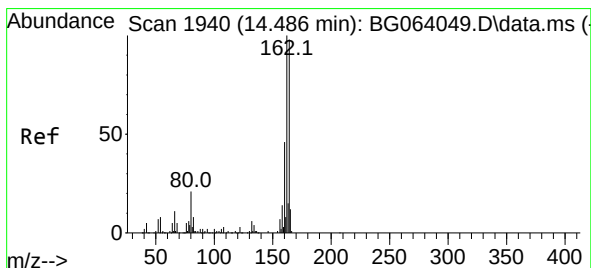
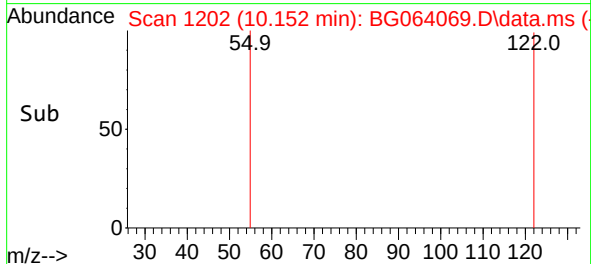
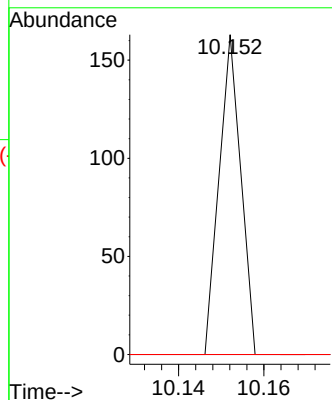
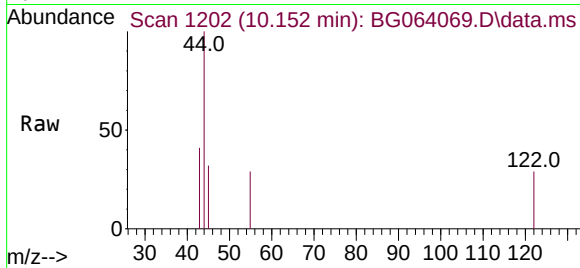




#32
Benzoic acid
Concen: 8.728 ng
RT: 10.152 min Scan# 1172
Delta R.T. 0.178 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

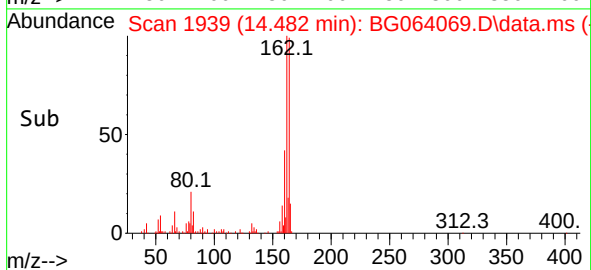
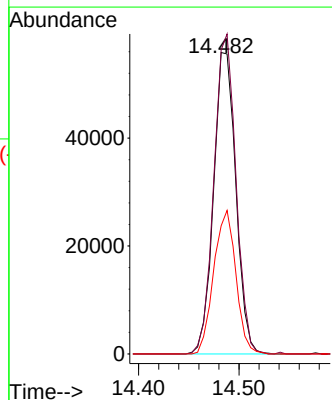
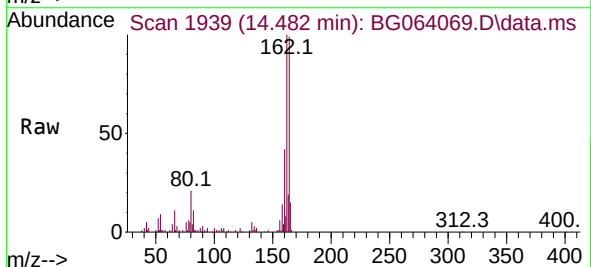
Instrument :
BNA_G
ClientSampleId :
ASPHALT-SOIL

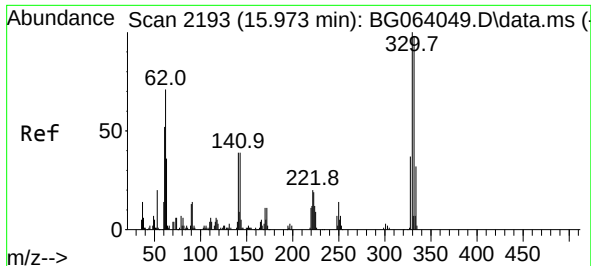
Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.482 min Scan# 1939
Delta R.T. -0.004 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

Tgt Ion:164 Resp: 86239
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 42.5 37.0 55.6

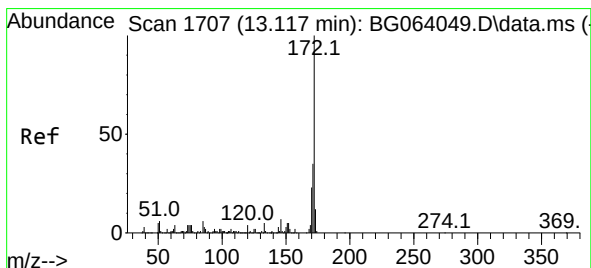
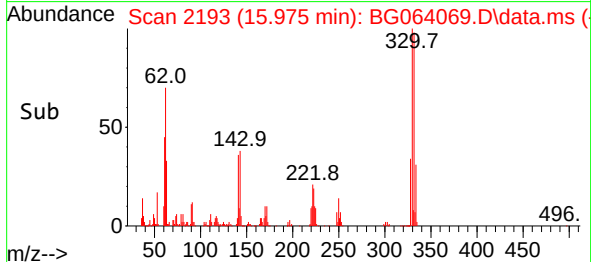
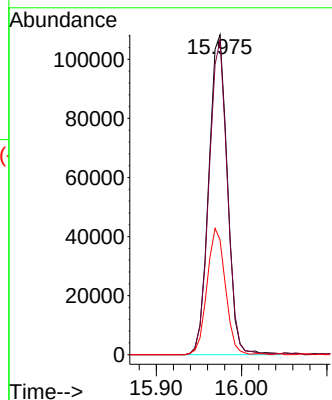
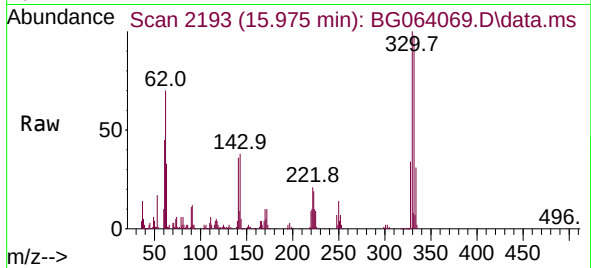




#42
2,4,6-Tribromophenol
Concen: 170.872 ng
RT: 15.975 min Scan# 2193
Delta R.T. 0.002 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

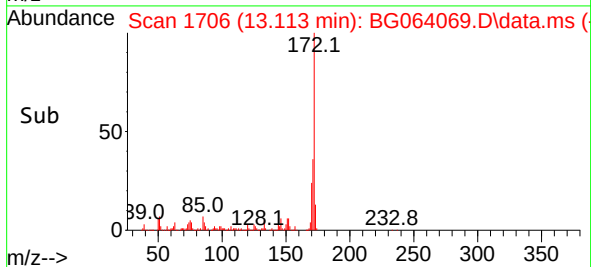
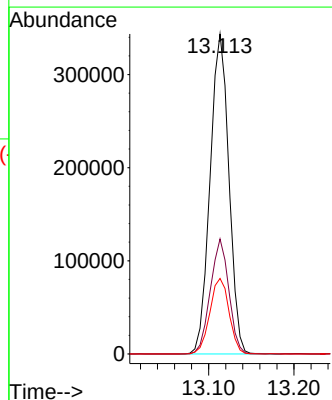
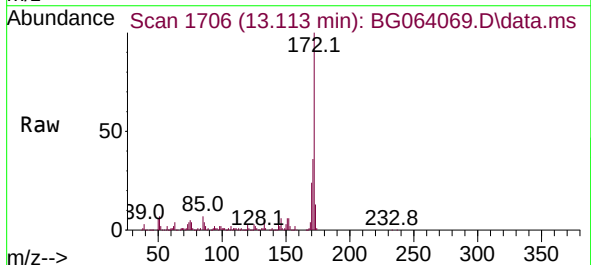
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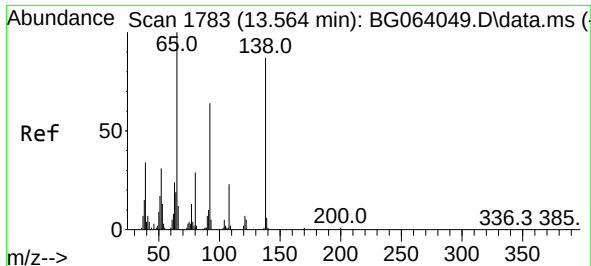
Tgt Ion:330 Resp: 163799
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 39.1 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 92.912 ng
RT: 13.113 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

Tgt Ion:172 Resp: 527882
Ion Ratio Lower Upper
172 100
171 36.0 28.0 42.0
170 23.6 18.7 28.1

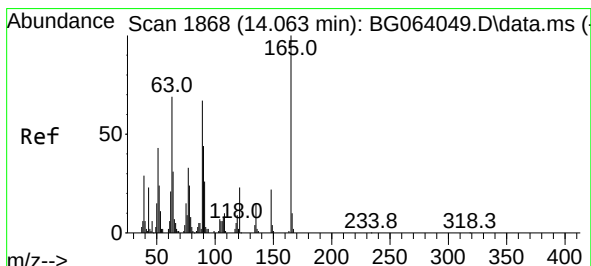
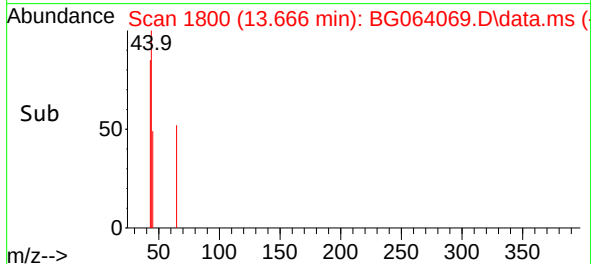
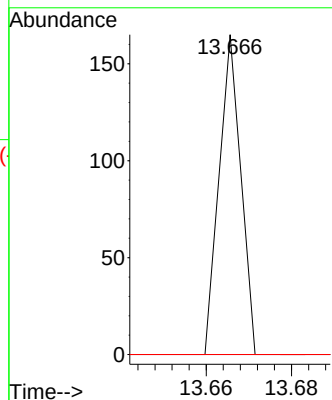
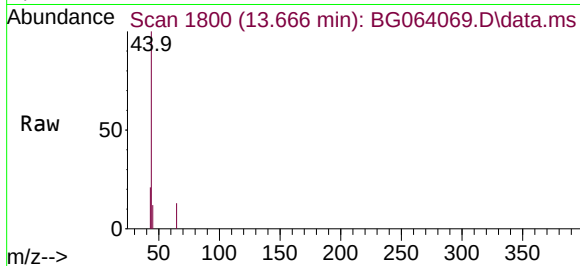




#48
2-Nitroaniline
Concen: 3.253 ng
RT: 13.666 min Scan# 1
Delta R.T. 0.102 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

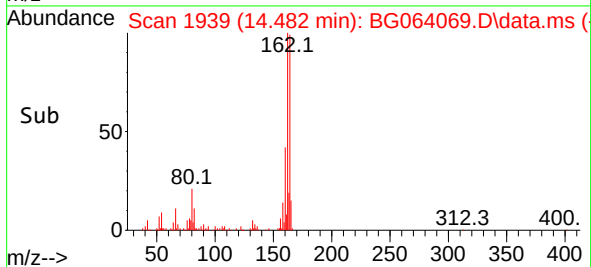
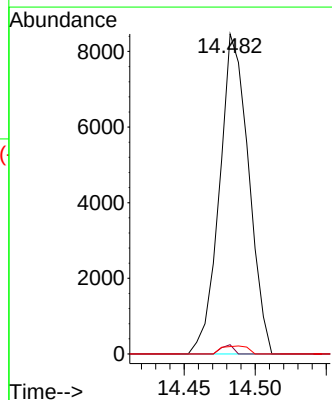
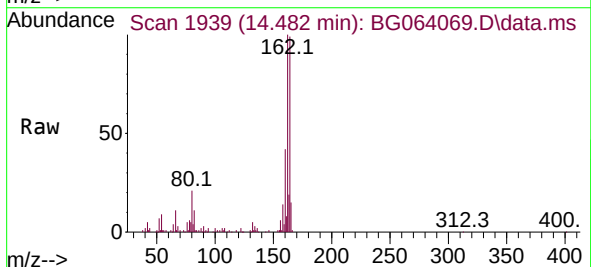
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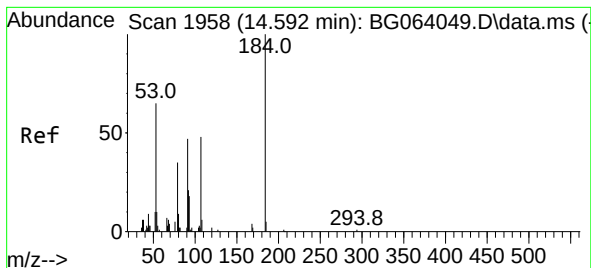
Tgt Ion: 65 Resp: 58
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#



#51
2,6-Dinitrotoluene
Concen: 12.025 ng
RT: 14.482 min Scan# 1939
Delta R.T. 0.419 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

Tgt Ion:165 Resp: 12036
Ion Ratio Lower Upper
165 100
63 2.9 56.7 85.1#
89 2.3 53.7 80.5#





#54

2,4-Dinitrophenol

Concen: 8.006 ng

RT: 14.917 min Scan# 20

Delta R.T. 0.325 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

Instrument :

BNA_G

ClientSampleId :

ASPHALT-SOIL

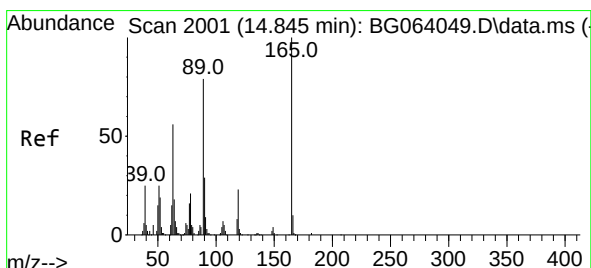
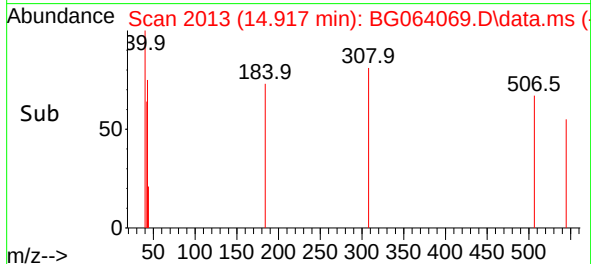
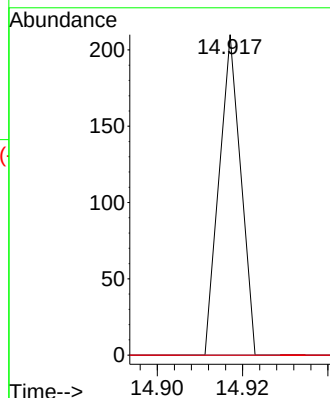
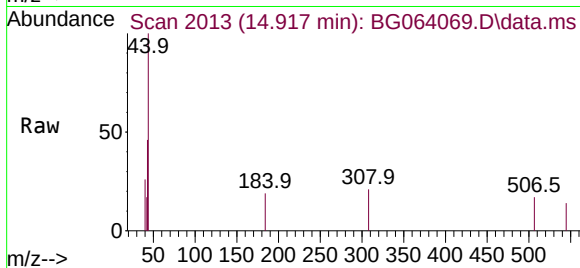
Tgt Ion:184 Resp: 74

Ion Ratio Lower Upper

184 100

63 0.0 57.5 86.3#

154 0.0 52.3 78.5#



#57

2,4-Dinitrotoluene

Concen: 9.887 ng

RT: 14.482 min Scan# 1939

Delta R.T. -0.363 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

Tgt Ion:165 Resp: 12036

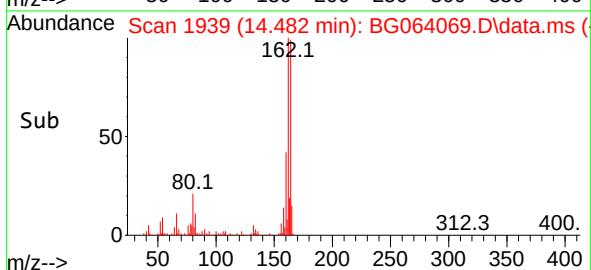
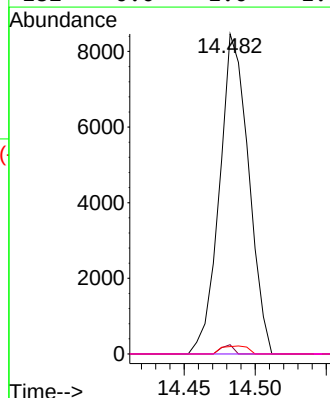
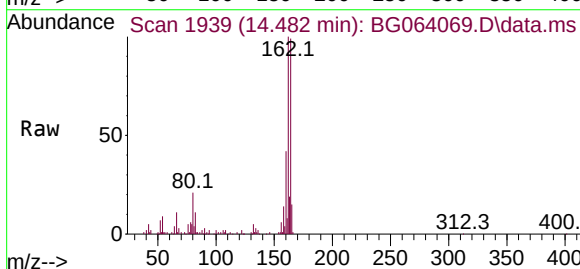
Ion Ratio Lower Upper

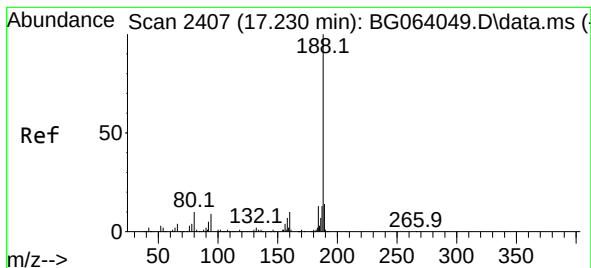
165 100

63 2.9 45.0 67.6#

89 2.3 63.1 94.7#

182 0.0 1.0 1.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.226 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

Instrument :

BNA_G

ClientSampleId :

ASPHALT-SOIL

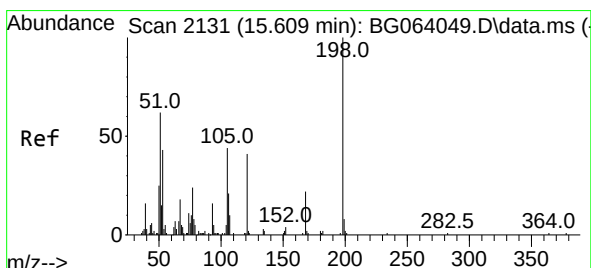
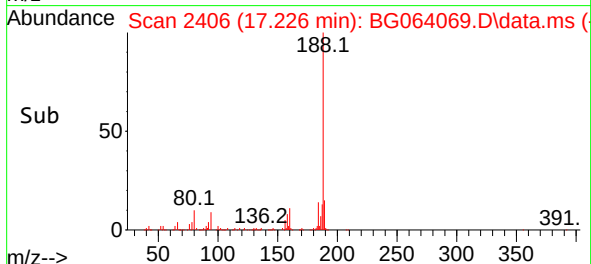
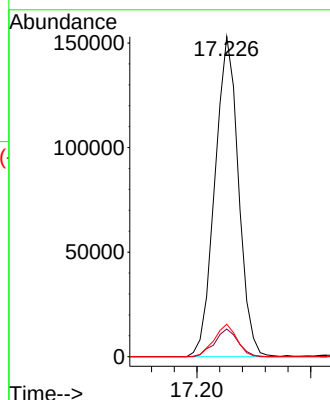
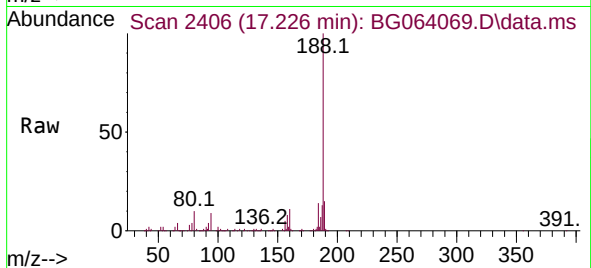
Tgt Ion:188 Resp: 220436

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

80 10.1 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.929 ng

RT: 15.969 min Scan# 2192

Delta R.T. 0.360 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

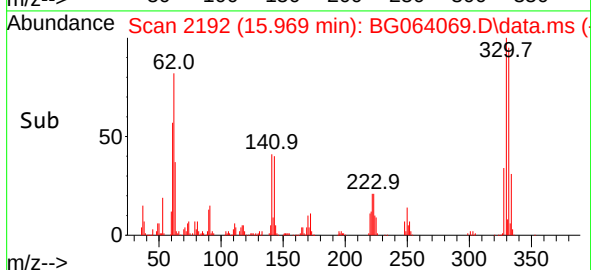
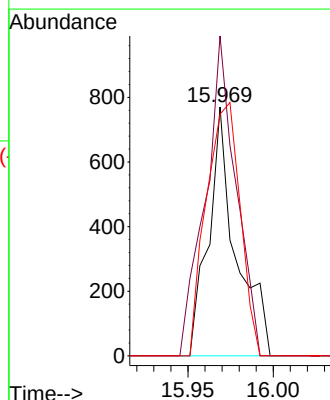
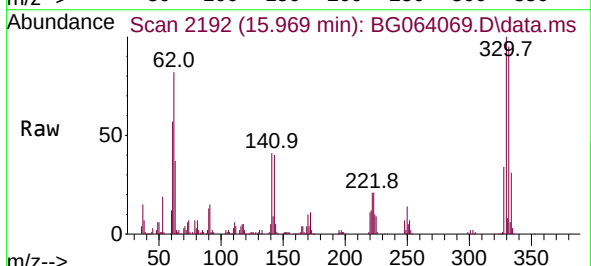
Tgt Ion:198 Resp: 861

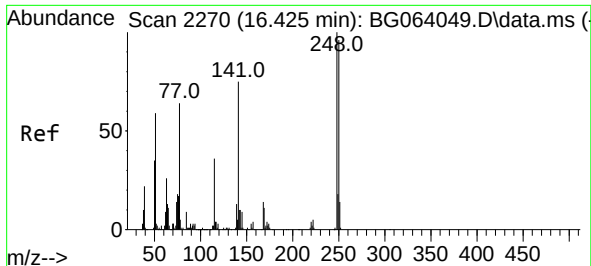
Ion Ratio Lower Upper

198 100

51 44.6 45.6 85.6#

105 33.7 25.3 65.3

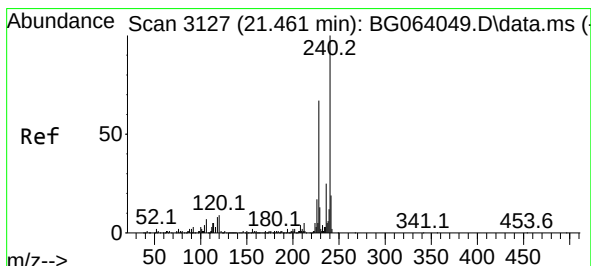
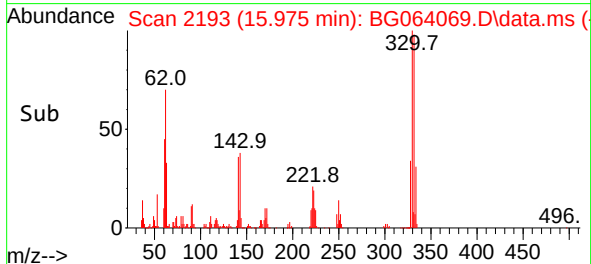
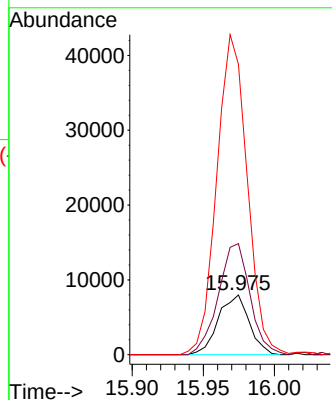
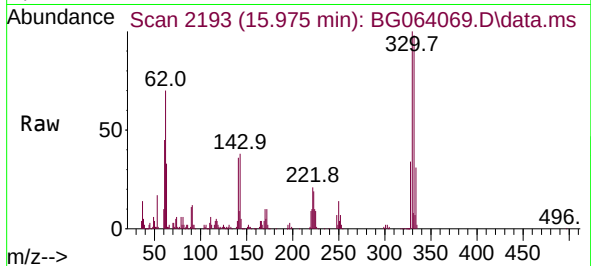




#67
4-Bromophenyl-phenylether
Concen: 5.344 ng
RT: 15.975 min Scan# 21193
Delta R.T. -0.451 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

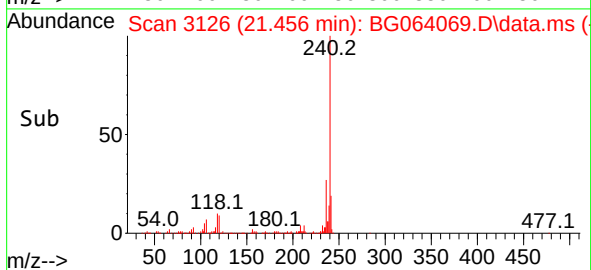
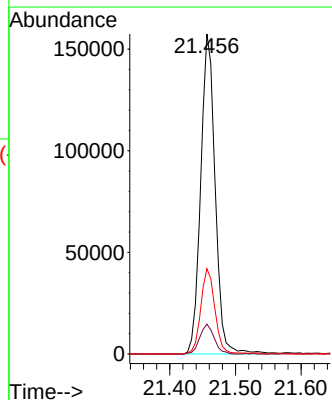
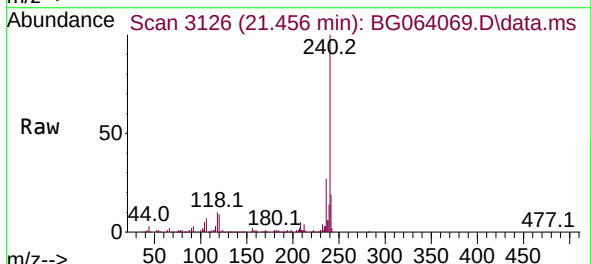
Instrument :
BNA_G
ClientSampleId :
ASPHALT-SOIL

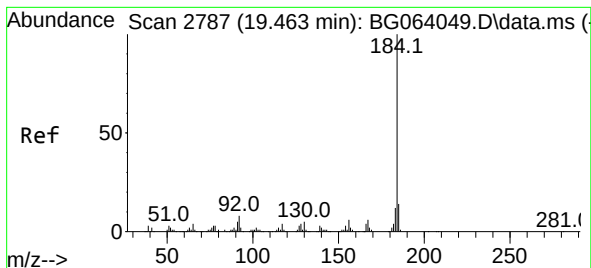
Tgt Ion:248 Resp: 12064
Ion Ratio Lower Upper
248 100
250 185.9 77.1 115.7#
141 486.0 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

Tgt Ion:240 Resp: 242369
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 26.6 20.2 30.2





#77

Benzidine

Concen: 6.939 ng

RT: 19.852 min Scan# 21

Delta R.T. 0.389 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

Instrument :

BNA_G

ClientSampleId :

ASPHALT-SOIL

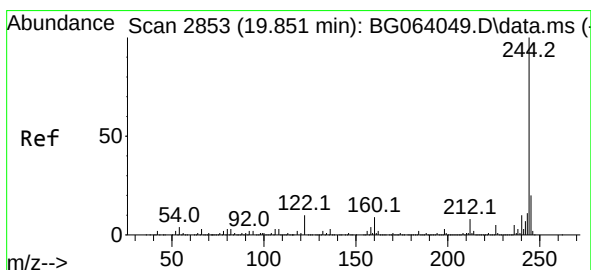
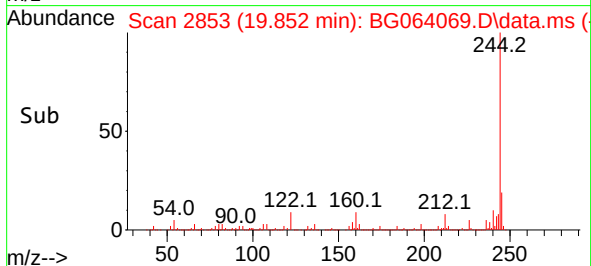
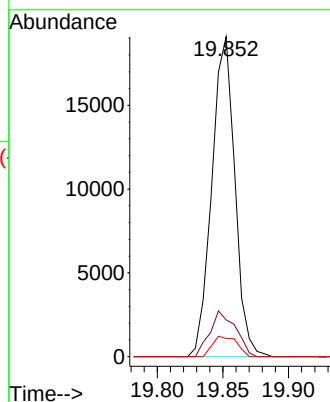
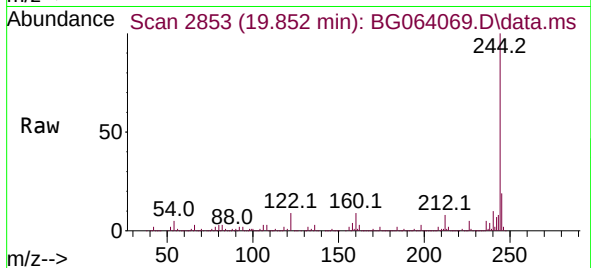
Tgt Ion:184 Resp: 23288

Ion Ratio Lower Upper

184 100

185 11.5 11.3 16.9

183 5.7 9.5 14.3#



#79

Terphenyl-d14

Concen: 103.183 ng

RT: 19.852 min Scan# 2853

Delta R.T. 0.002 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

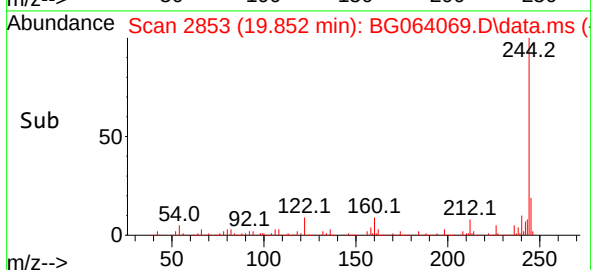
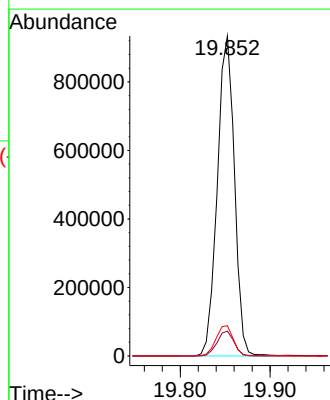
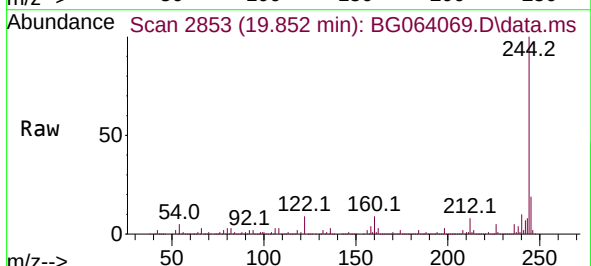
Tgt Ion:244 Resp: 1236811

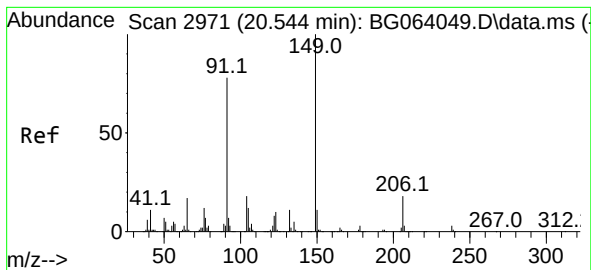
Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

122 9.4 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.689 ng

RT: 20.552 min Scan# 2971

Delta R.T. 0.008 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

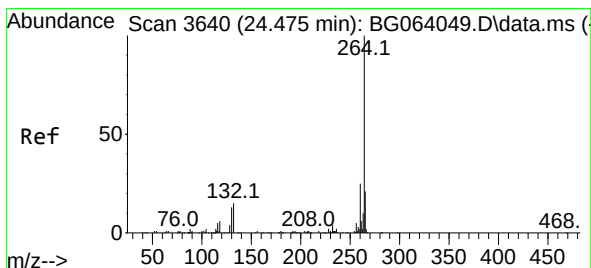
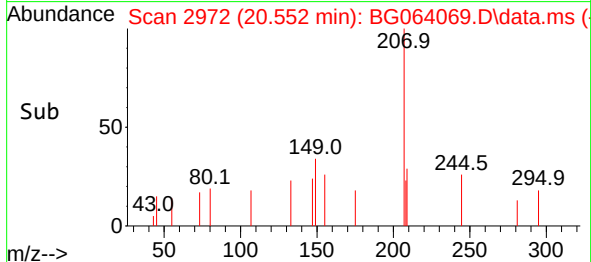
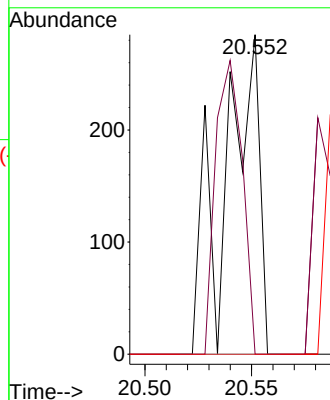
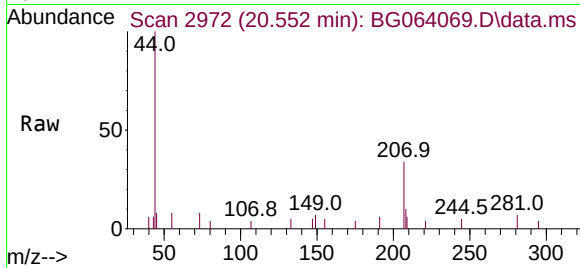
Instrument :

BNA_G

ClientSampleId :

ASPHALT-SOIL

Tgt Ion:	149	Resp:	325
Ion Ratio	Lower	Upper	
149	100		
91	0.0	62.0	93.0#
206	0.0	14.6	21.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.476 min Scan# 3640

Delta R.T. 0.002 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

Tgt Ion:	264	Resp:	256156
Ion Ratio	Lower	Upper	
264	100		
260	20.6	19.6	29.4
265	20.3	16.6	25.0

