

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

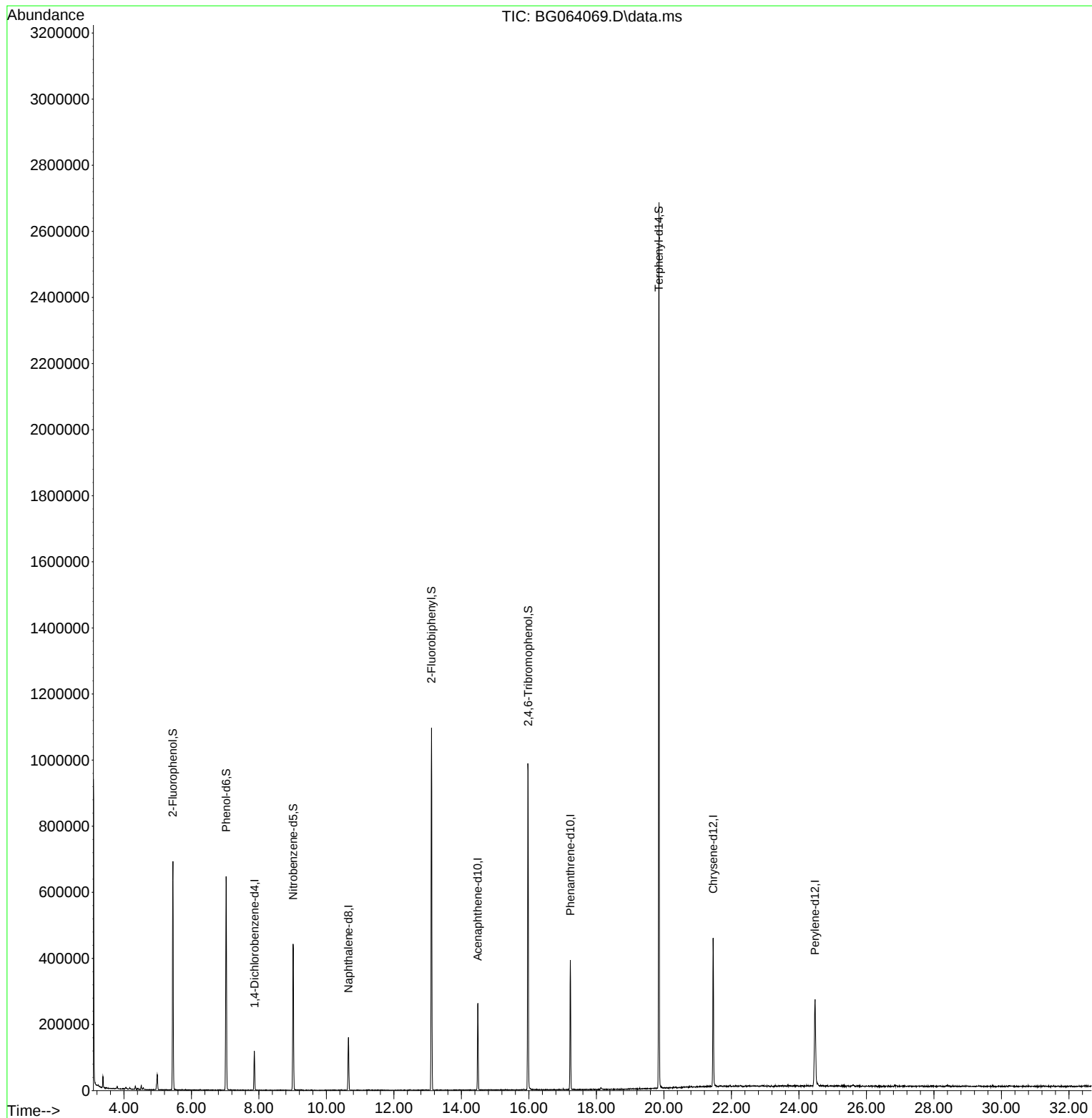
Target Compounds	Qvalue

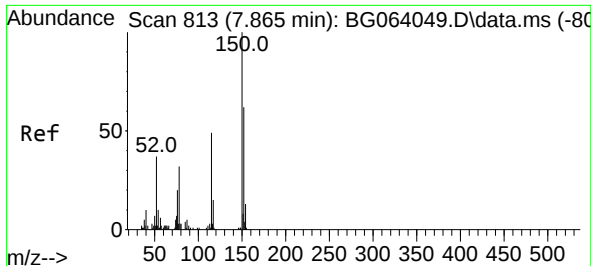
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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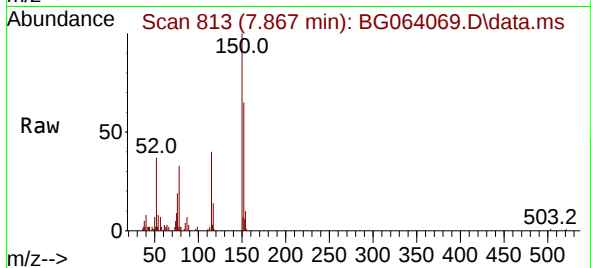
Quant Time: Mar 07 22:58:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
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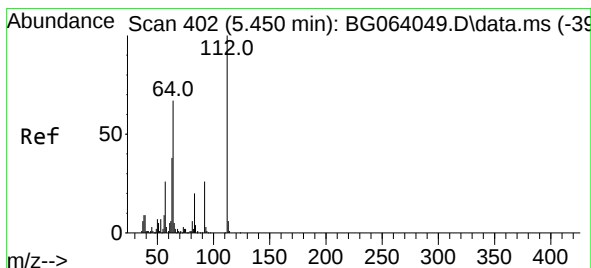
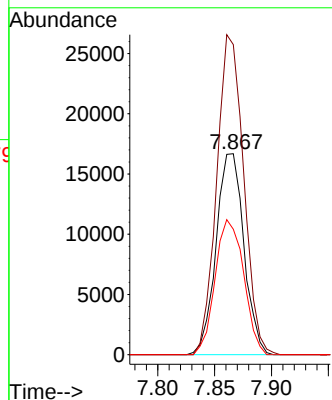
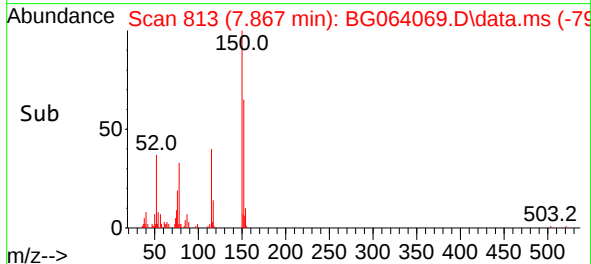


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 813
Delta R.T. 0.002 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

Instrument :
BNA_G
ClientSampleId :
ASPHALT-SOIL

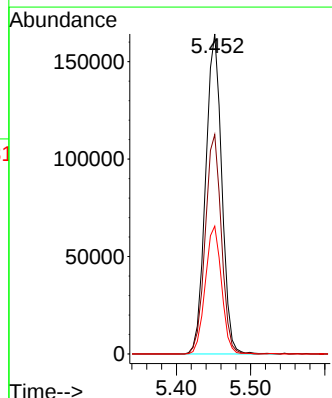
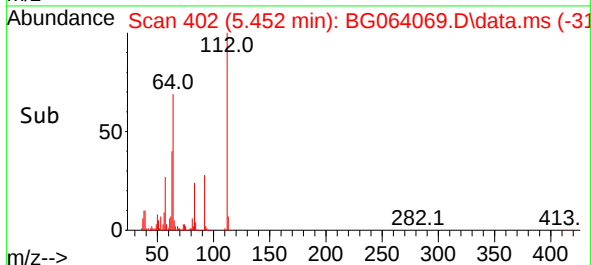
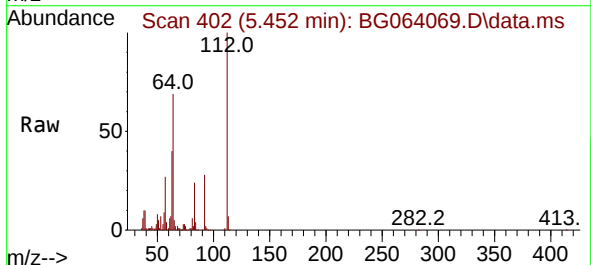


Tgt Ion:152 Resp: 28343
Ion Ratio Lower Upper
152 100
150 154.3 129.2 193.8
115 62.4 63.0 94.6#



#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

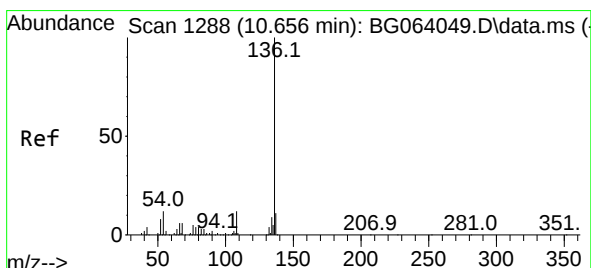
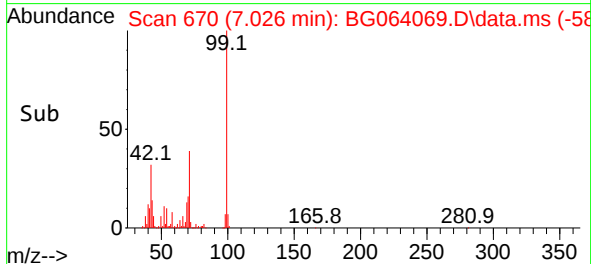
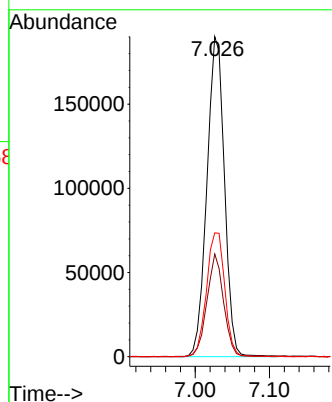
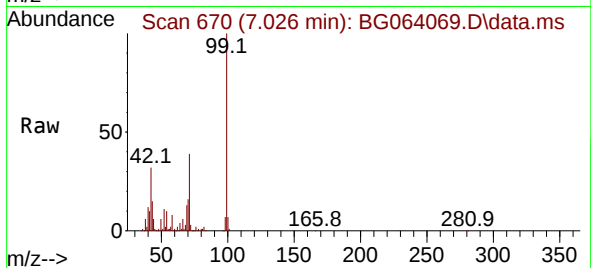




#7
Phenol-d6
Concen: 126.441 ng
RT: 7.026 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

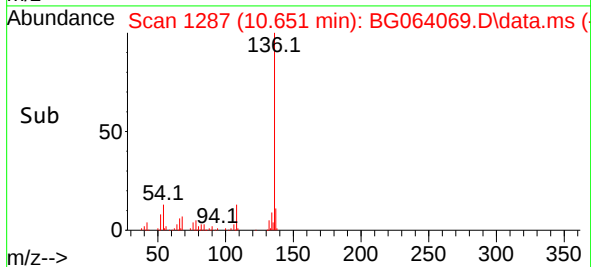
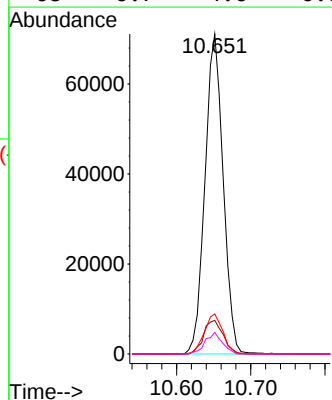
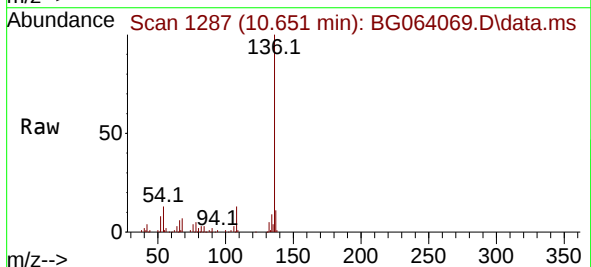
Instrument :
BNA_G
ClientSampleId :
ASPHALT-SOIL

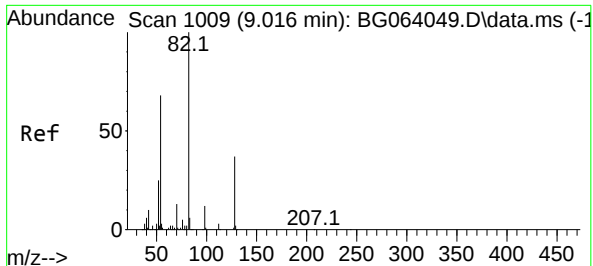
Tgt Ion: 99 Resp: 312227
Ion Ratio Lower Upper
99 100
42 32.1 22.7 34.1
71 38.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

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

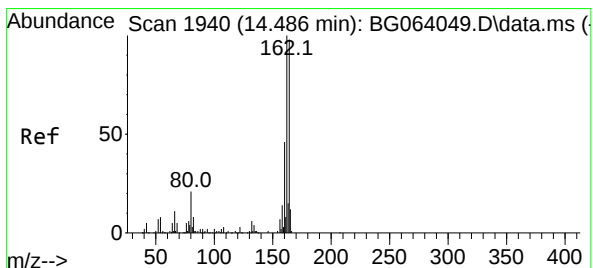
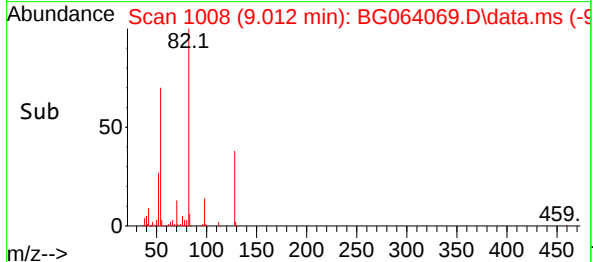
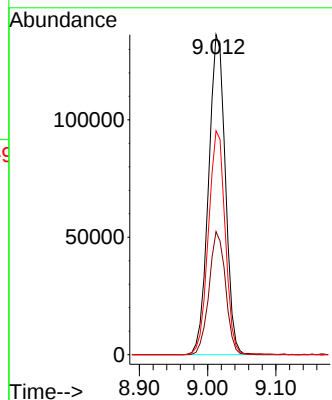
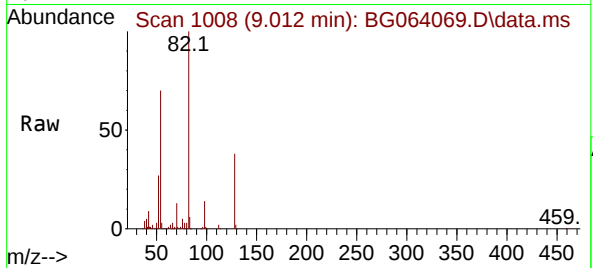




#23
Nitrobenzene-d5
Concen: 106.549 ng
RT: 9.012 min Scan# 1008
Delta R.T. -0.004 min
Lab File: BG064069.D
Acq: 7 Mar 2025 21:43

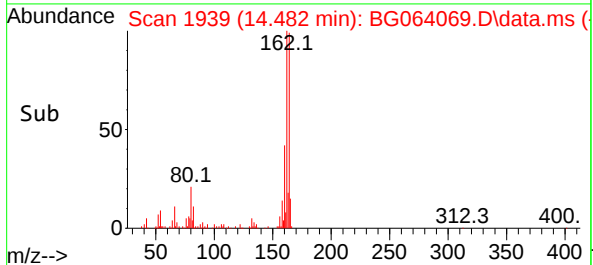
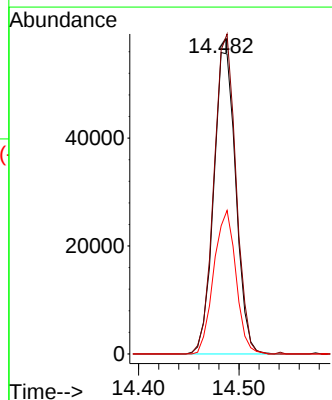
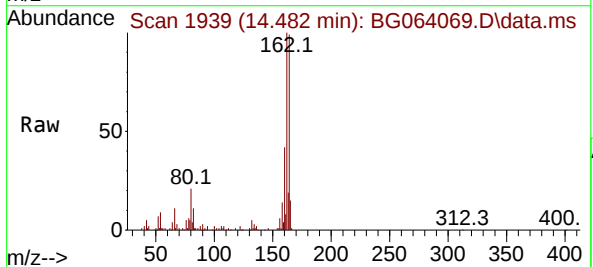
Instrument :
BNA_G
ClientSampleId :
ASPHALT-SOIL

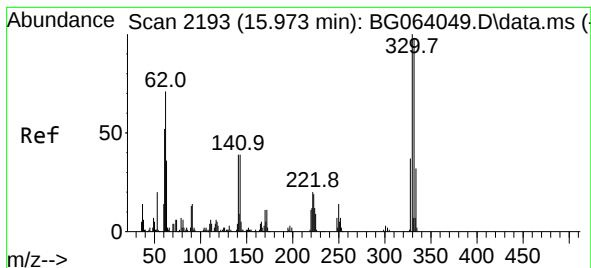
Tgt Ion: 82 Resp: 233253
Ion Ratio Lower Upper
82 100
128 38.4 30.0 45.0
54 70.0 54.7 82.1



#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# 21

Delta R.T. 0.002 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

Instrument :

BNA_G

ClientSampleId :

ASPHALT-SOIL

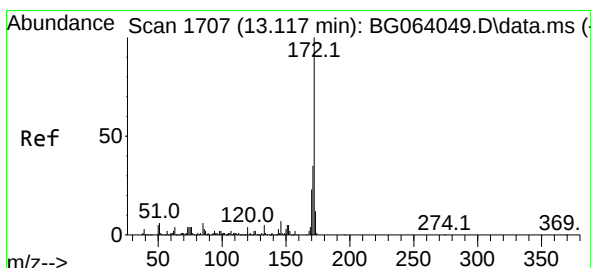
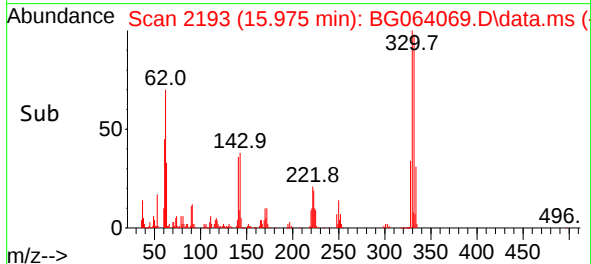
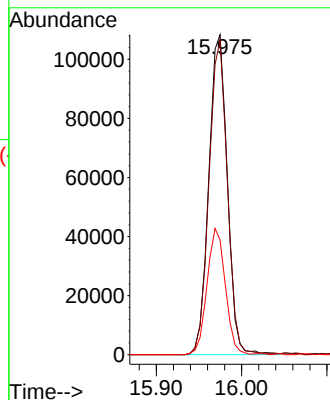
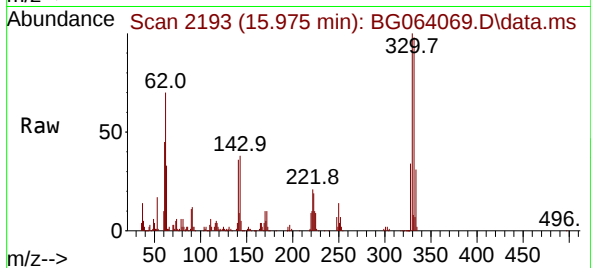
Tgt Ion:330 Resp: 163799

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

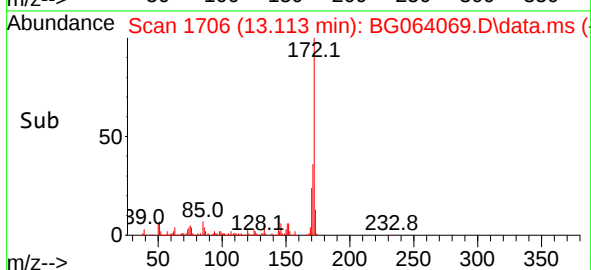
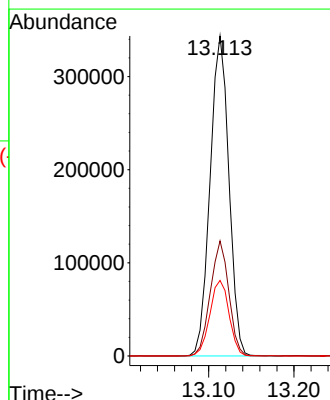
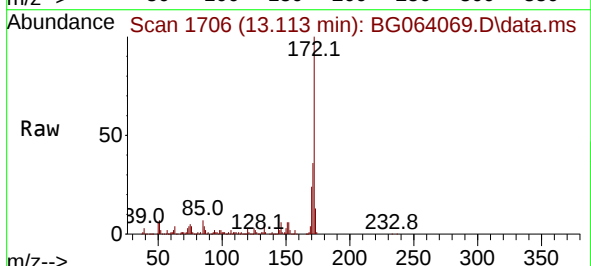
Tgt Ion:172 Resp: 527882

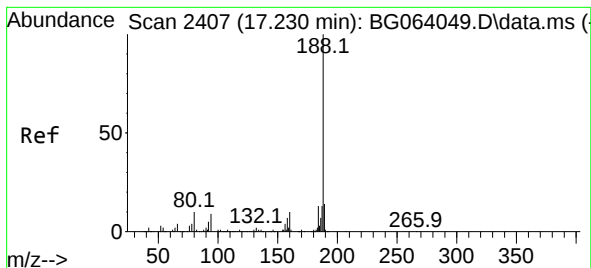
Ion Ratio Lower Upper

172 100

171 36.0 28.0 42.0

170 23.6 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.226 min Scan# 2406

Delta R.T. -0.004 min

Lab File: BG064069.D

Acq: 7 Mar 2025 21:43

Instrument :

BNA_G

ClientSampleId :

ASPHALT-SOIL

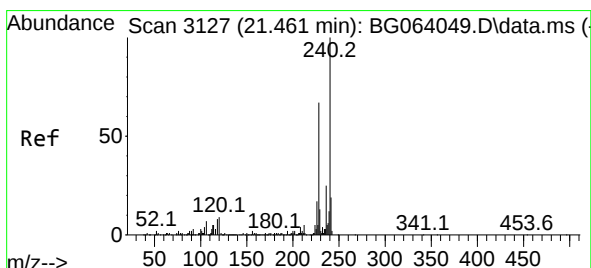
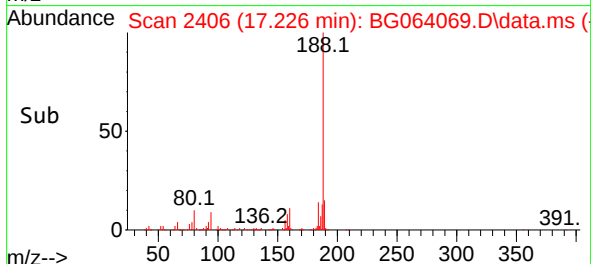
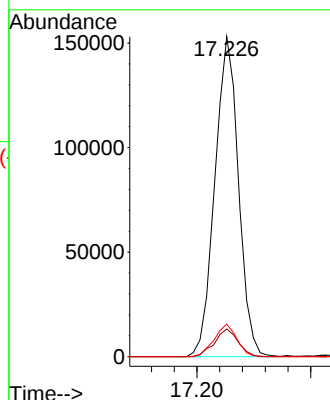
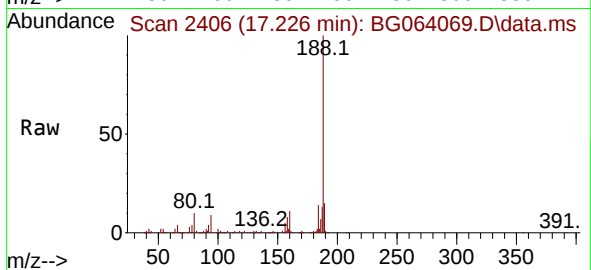
Tgt Ion:188 Resp: 220436

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

80 10.1 8.1 12.1



#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

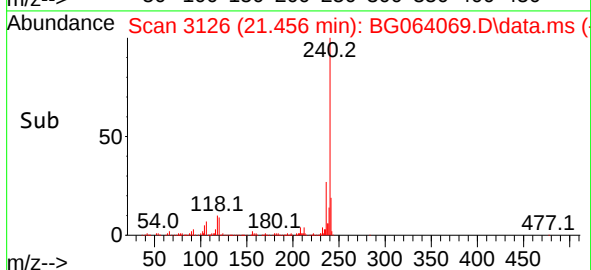
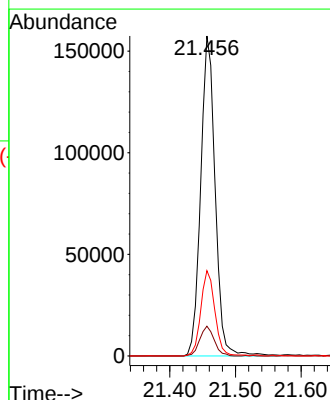
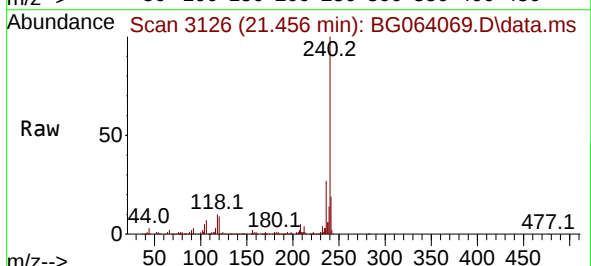
Tgt Ion:240 Resp: 242369

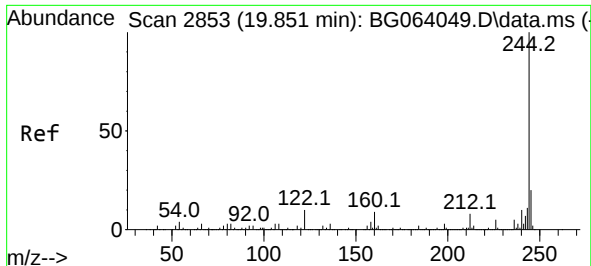
Ion Ratio Lower Upper

240 100

120 9.3 7.2 10.8

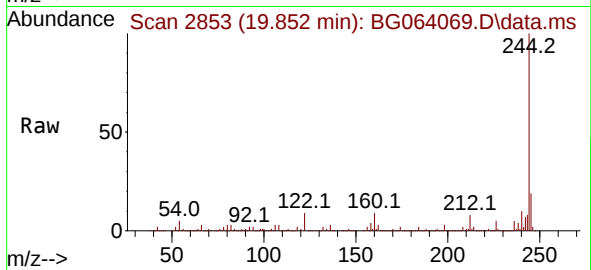
236 26.6 20.2 30.2



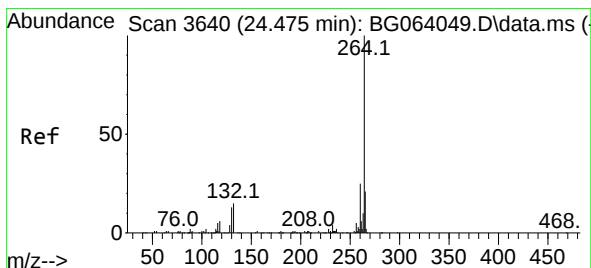
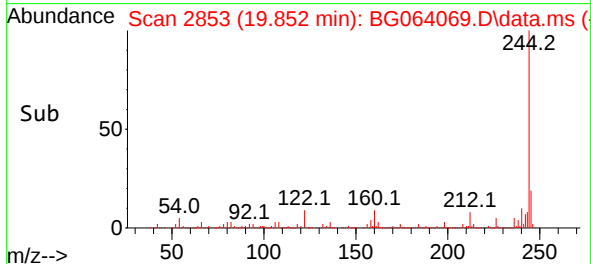
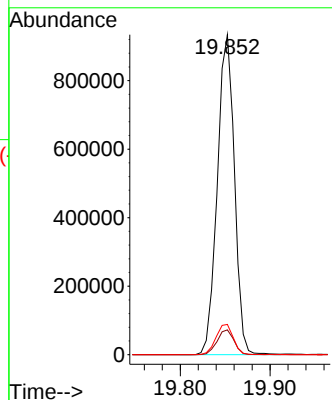


#79
 Terphenyl-d14
 Concen: 103.183 ng
 RT: 19.852 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG064069.D
 Acq: 7 Mar 2025 21:43

Instrument :
 BNA_G
 ClientSampleId :
 ASPHALT-SOIL



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



#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

