

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064309.D
 Acq On : 8 Sep 2025 16:19
 Operator : RC/JU
 Sample : Q3032-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1

Quant Time: Sep 08 17:00:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

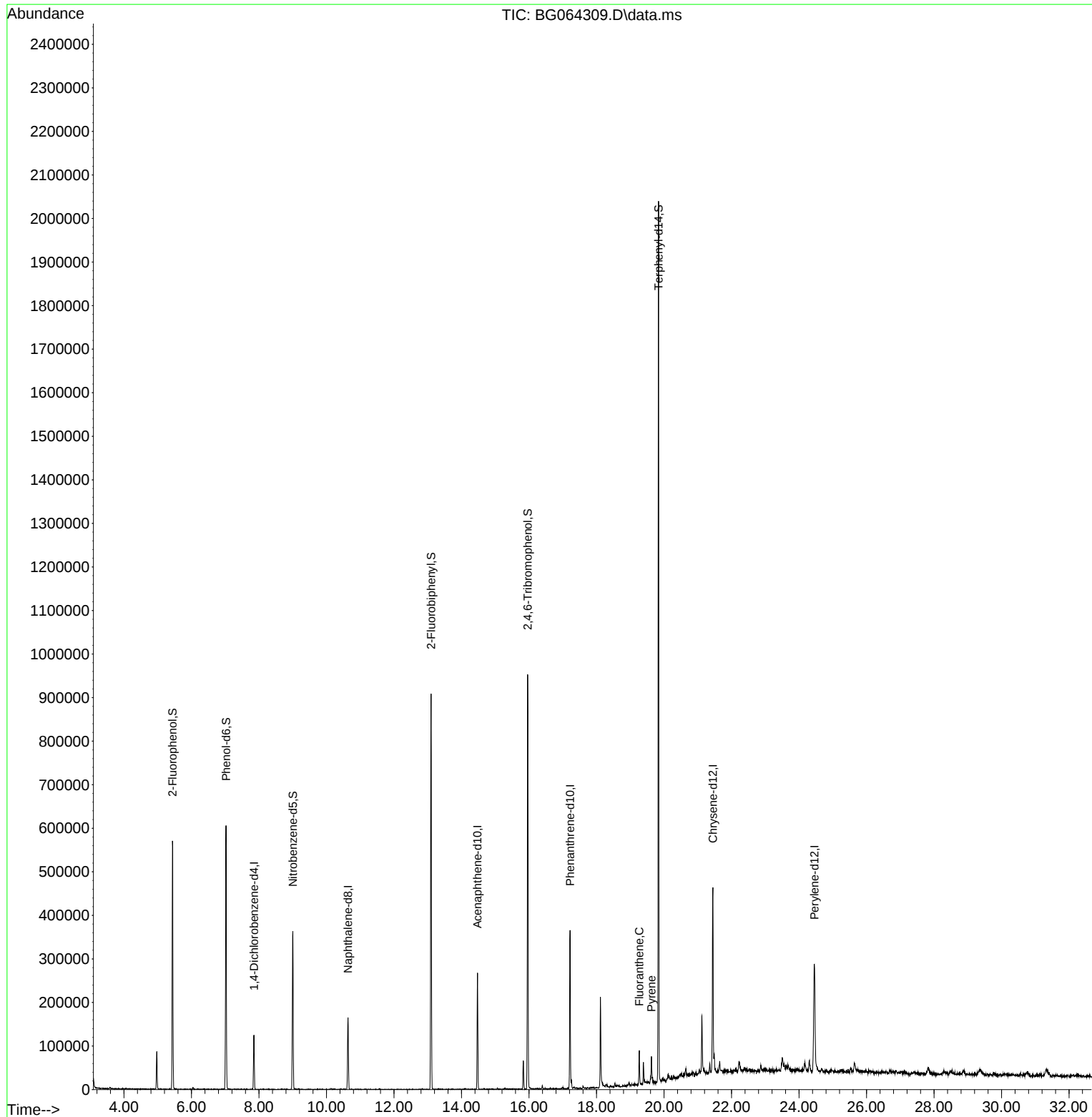
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	30958	20.000	ng	0.00
21) Naphthalene-d8	10.636	136	128379	20.000	ng	#-0.01
39) Acenaphthene-d10	14.473	164	87714	20.000	ng	0.00
64) Phenanthrene-d10	17.217	188	216909	20.000	ng	# 0.00
76) Chrysene-d12	21.447	240	236168	20.000	ng	0.00
86) Perylene-d12	24.456	264	267983	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.437	112	209893	121.638	ng	0.00
7) Phenol-d6	7.023	99	272607	114.994	ng	0.00
23) Nitrobenzene-d5	9.003	82	187497	81.452	ng	-0.01
42) 2,4,6-Tribromophenol	15.960	330	174374	150.088	ng	-0.01
45) 2-Fluorobiphenyl	13.098	172	452664	78.770	ng	-0.01
79) Terphenyl-d14	19.837	244	885501	78.227	ng	0.00
Target Compounds						
75) Fluoranthene	19.268	202	42739	3.177	ng	Qvalue 97
78) Pyrene	19.626	202	34445	2.315	ng	98

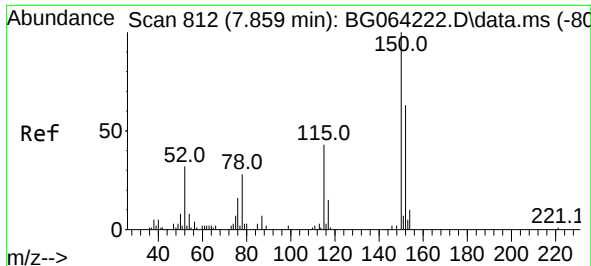
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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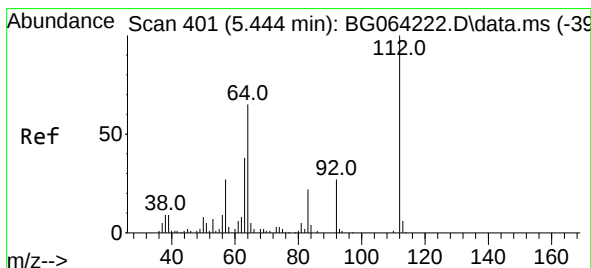
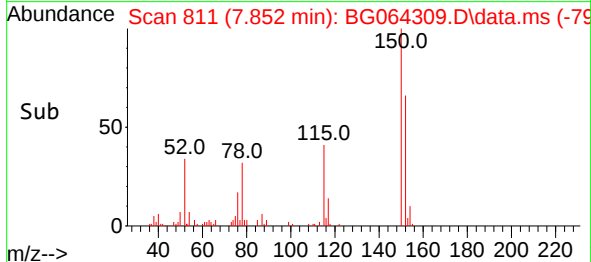
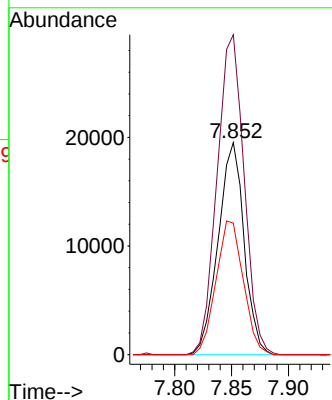
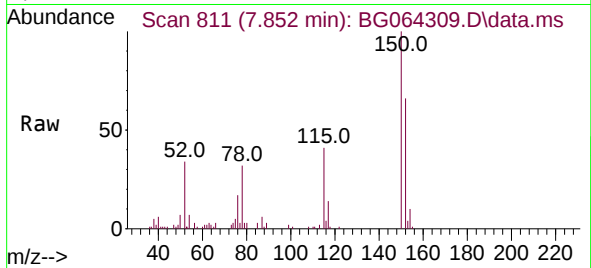




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

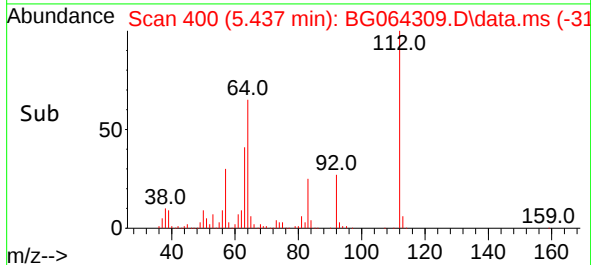
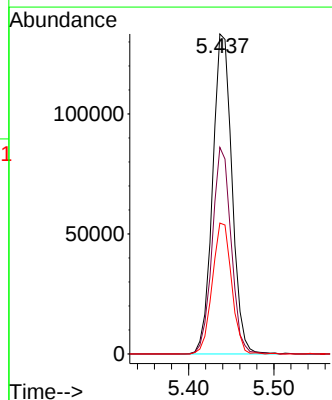
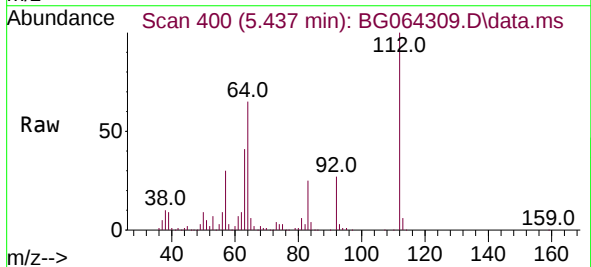
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

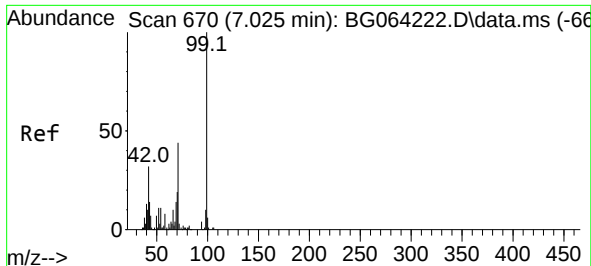
Tgt Ion:152 Resp: 30958
Ion Ratio Lower Upper
152 100
150 150.9 128.0 192.0
115 62.0 55.7 83.5



#5
2-Fluorophenol
Concen: 121.638 ng
RT: 5.437 min Scan# 400
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:112 Resp: 209893
Ion Ratio Lower Upper
112 100
64 64.5 51.8 77.6
63 40.9 30.6 45.8

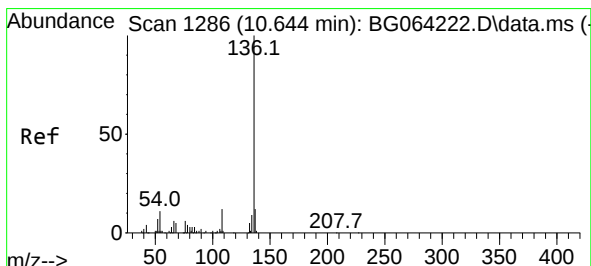
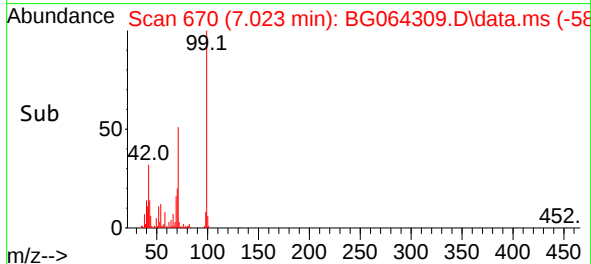
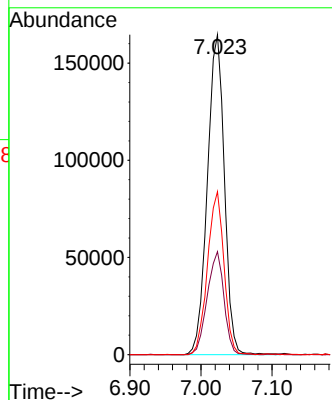
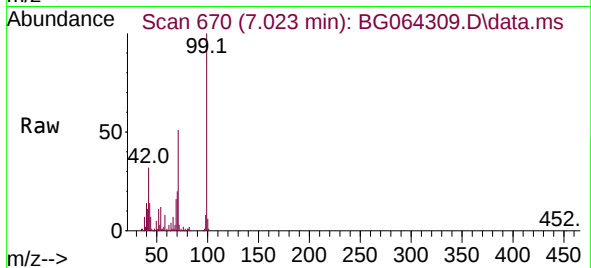




#7
Phenol-d6
Concen: 114.994 ng
RT: 7.023 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

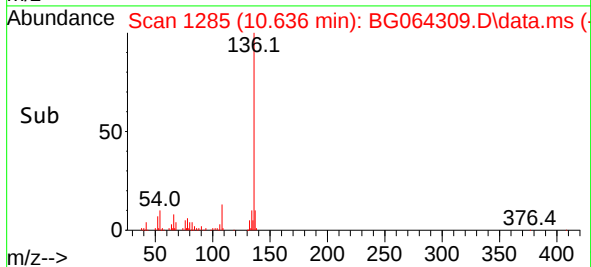
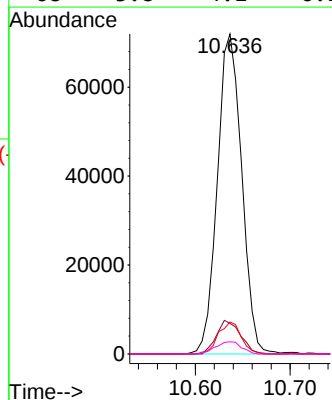
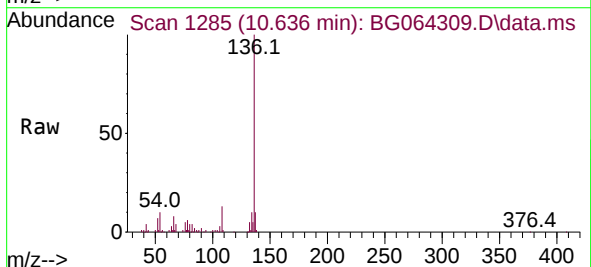
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

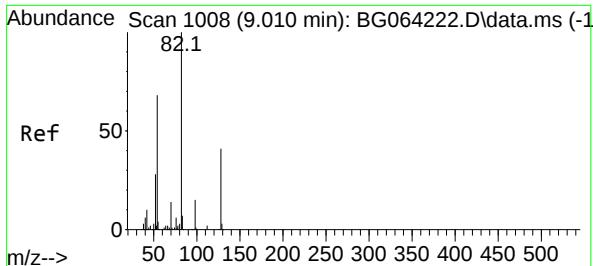
Tgt Ion: 99 Resp: 272607
Ion Ratio Lower Upper
99 100
42 32.2 25.8 38.8
71 50.9 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.636 min Scan# 1285
Delta R.T. -0.014 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion: 136 Resp: 128379
Ion Ratio Lower Upper
136 100
137 9.5 9.6 14.4#
54 10.0 8.8 13.2
68 3.8 4.1 6.1#

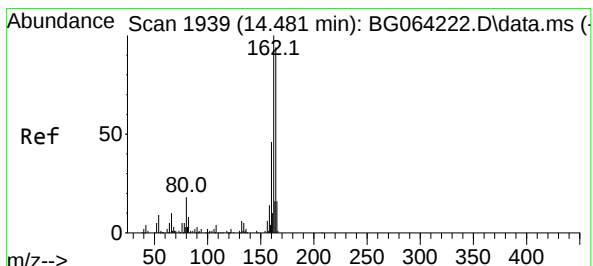
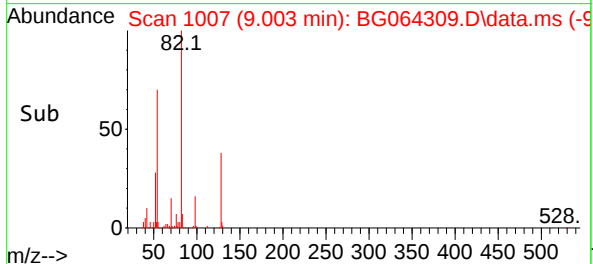
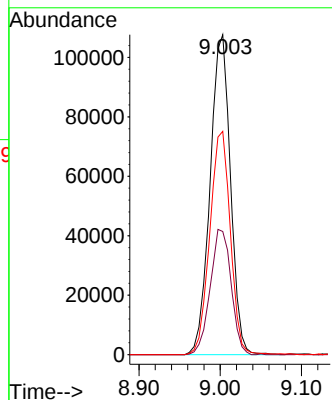
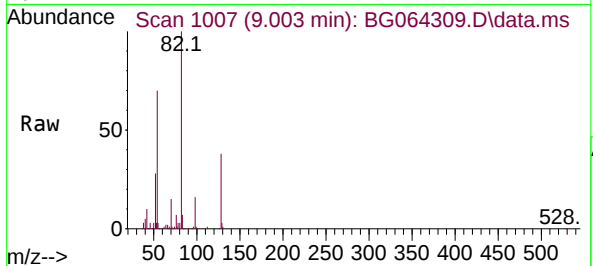




#23
Nitrobenzene-d5
Concen: 81.452 ng
RT: 9.003 min Scan# 1007
Delta R.T. -0.013 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

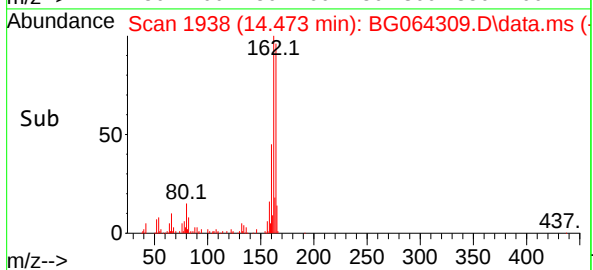
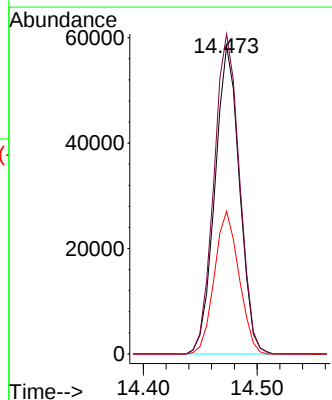
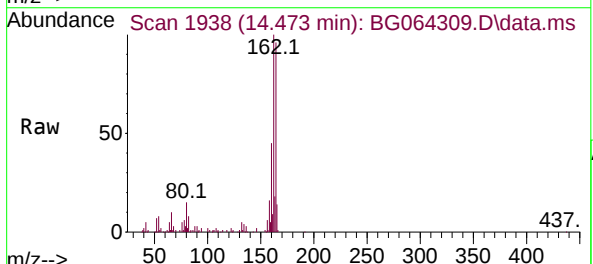
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

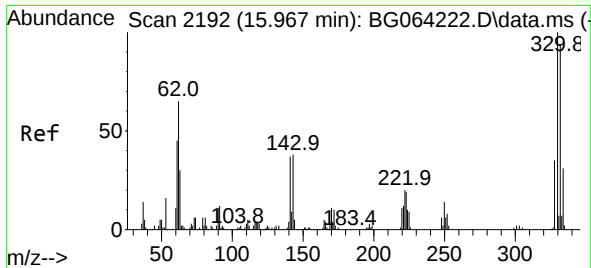
Tgt Ion: 82 Resp: 187497
Ion Ratio Lower Upper
82 100
128 38.5 32.6 48.8
54 69.8 54.7 82.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.473 min Scan# 1938
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

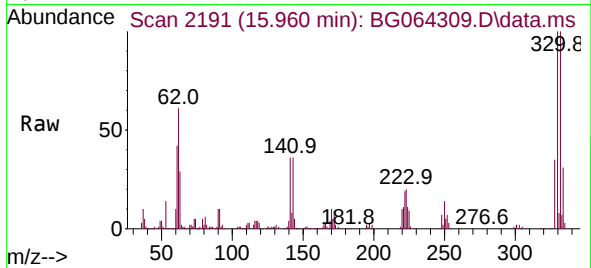
Tgt Ion:164 Resp: 87714
Ion Ratio Lower Upper
164 100
162 103.9 85.4 128.0
160 46.3 39.2 58.8



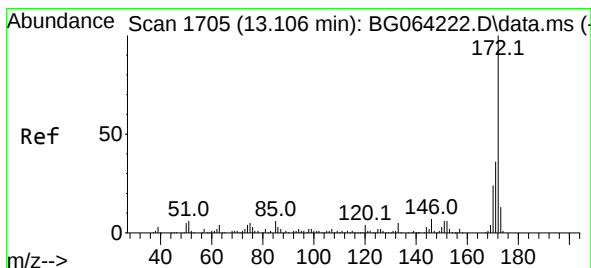
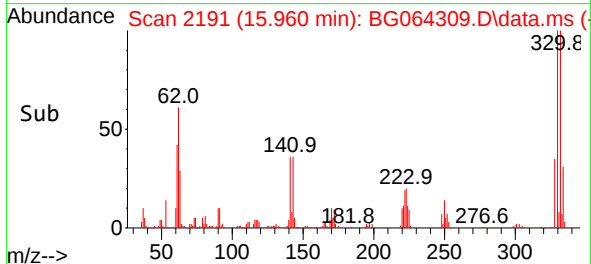
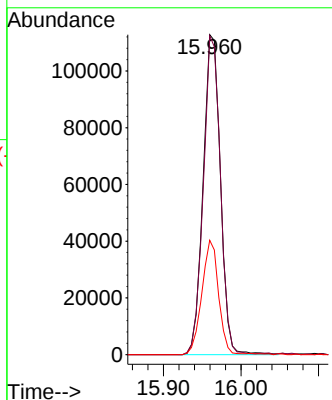


#42
2,4,6-Tribromophenol
Concen: 150.088 ng
RT: 15.960 min Scan# 2191
Delta R.T. -0.013 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

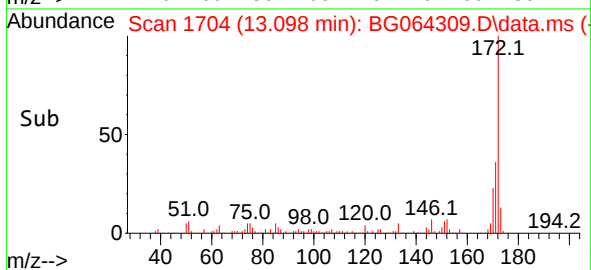
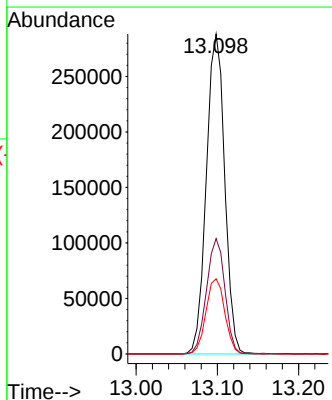
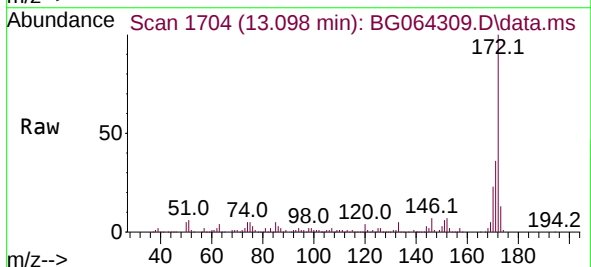


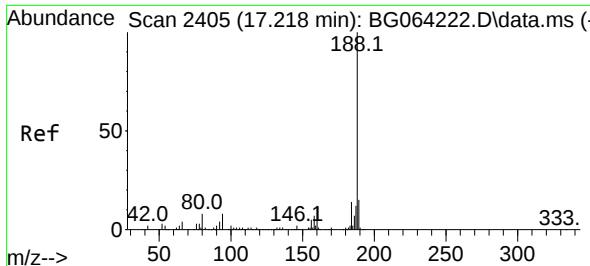
Tgt Ion:330 Resp: 174374
Ion Ratio Lower Upper
330 100
332 98.0 77.6 116.4
141 34.5 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 78.770 ng
RT: 13.098 min Scan# 1704
Delta R.T. -0.013 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:172 Resp: 452664
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.5 19.0 28.6

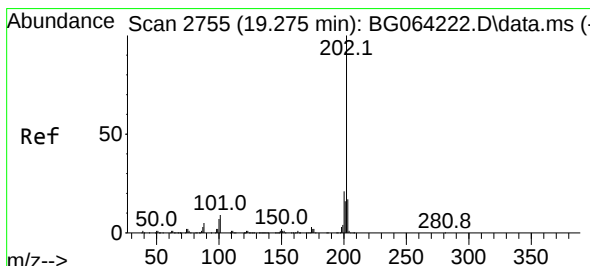
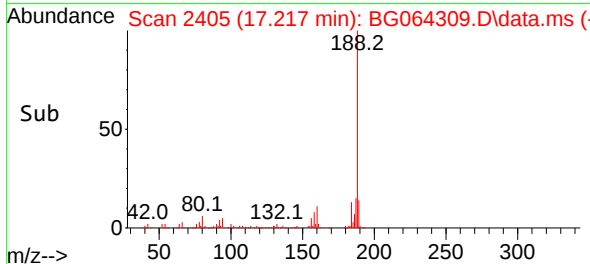
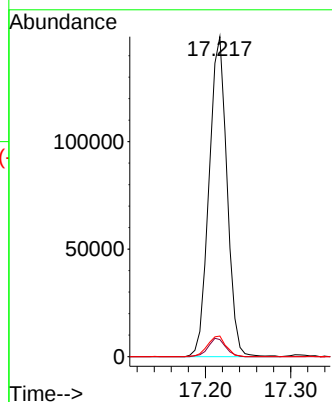
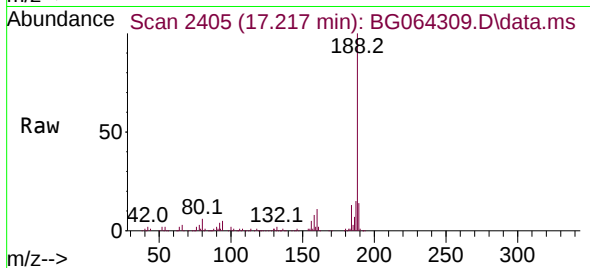




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.217 min Scan# 24
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

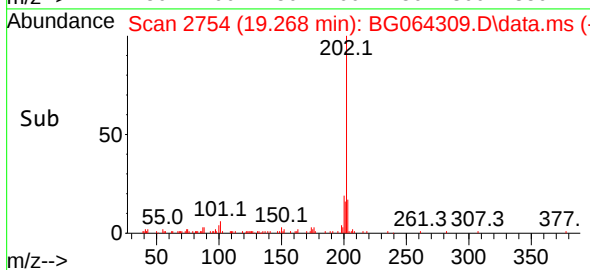
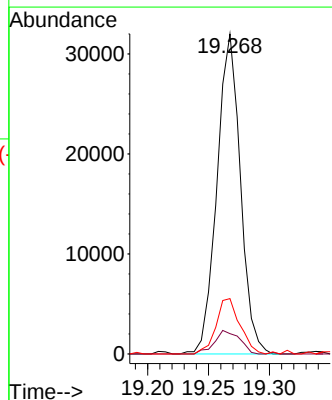
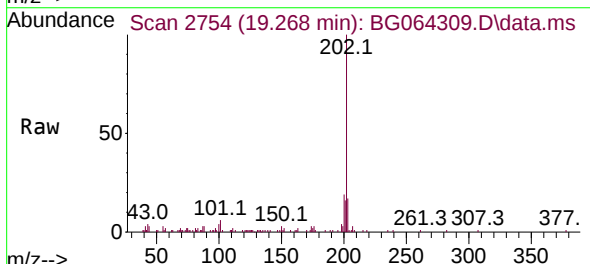
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

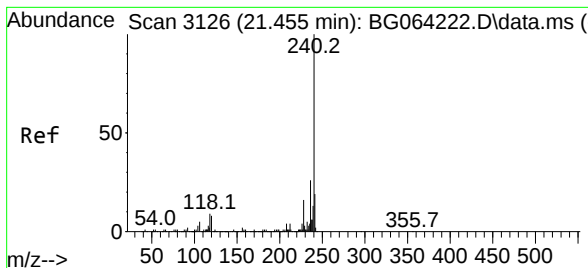
Tgt Ion:188 Resp: 216909
Ion Ratio Lower Upper
188 100
94 5.3 6.2 9.4#
80 6.4 6.8 10.2#



#75
Fluoranthene
Concen: 3.177 ng
RT: 19.268 min Scan# 2754
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:202 Resp: 42739
Ion Ratio Lower Upper
202 100
101 6.4 0.0 28.7
203 17.3 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.447 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG064309.D

Acq: 8 Sep 2025 16:19

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1

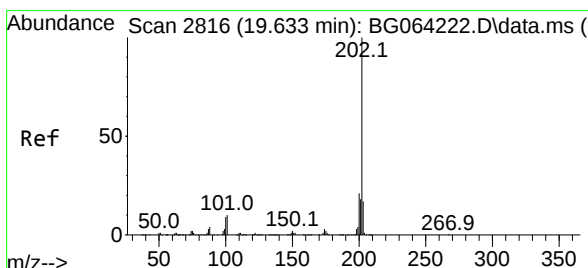
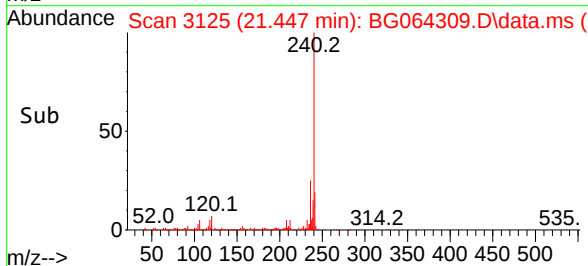
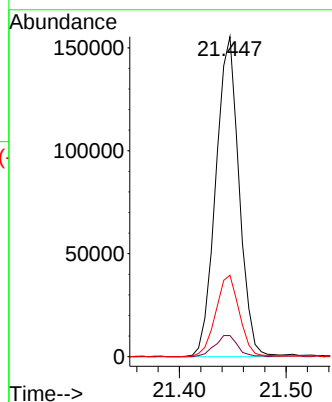
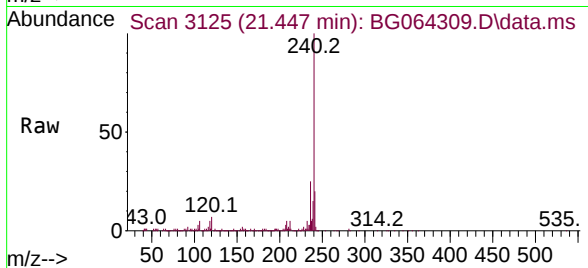
Tgt Ion:240 Resp: 236168

Ion Ratio Lower Upper

240 100

120 6.6 6.2 9.4

236 25.4 20.5 30.7



#78

Pyrene

Concen: 2.315 ng

RT: 19.626 min Scan# 2815

Delta R.T. -0.013 min

Lab File: BG064309.D

Acq: 8 Sep 2025 16:19

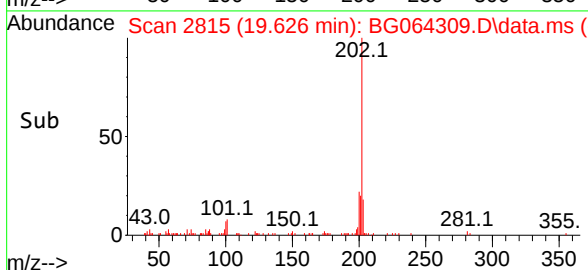
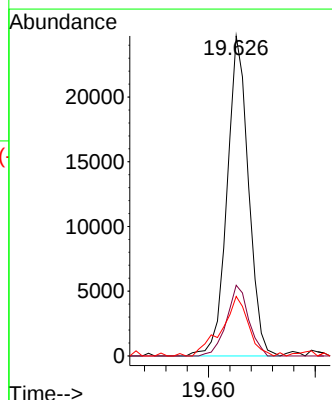
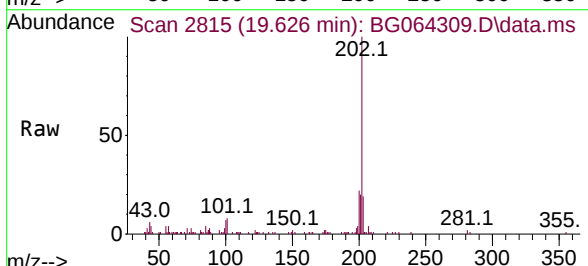
Tgt Ion:202 Resp: 34445

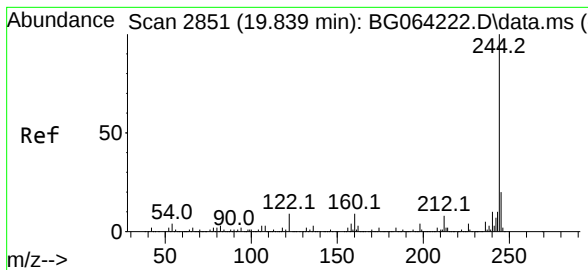
Ion Ratio Lower Upper

202 100

200 22.1 16.9 25.3

203 18.6 13.8 20.8



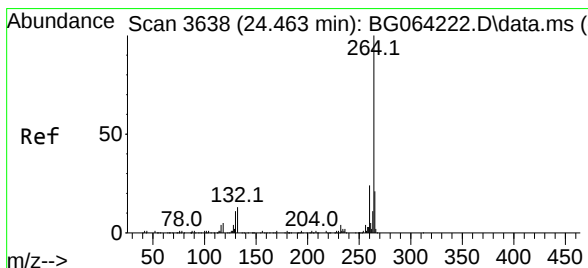
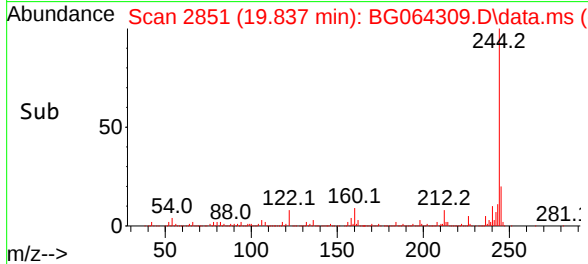
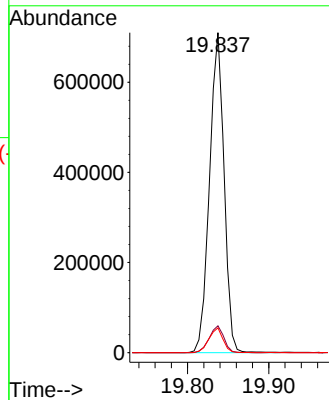
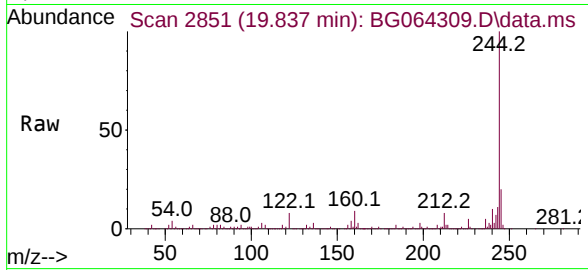


#79
 Terphenyl-d14
 Concen: 78.227 ng
 RT: 19.837 min Scan# 2851
 Delta R.T. -0.008 min
 Lab File: BG064309.D
 Acq: 8 Sep 2025 16:19

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1

Tgt Ion:244 Resp: 885501

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.6	10.0
122	7.7	7.0	10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.456 min Scan# 3637
 Delta R.T. -0.008 min
 Lab File: BG064309.D
 Acq: 8 Sep 2025 16:19

Tgt Ion:264 Resp: 267983

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.9	16.7	25.1

