

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064915.D
 Acq On : 9 Dec 2025 21:46
 Operator : RC/JU
 Sample : Q3790-01DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 304 FURMAN SOILD

Quant Time: Dec 10 00:17:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

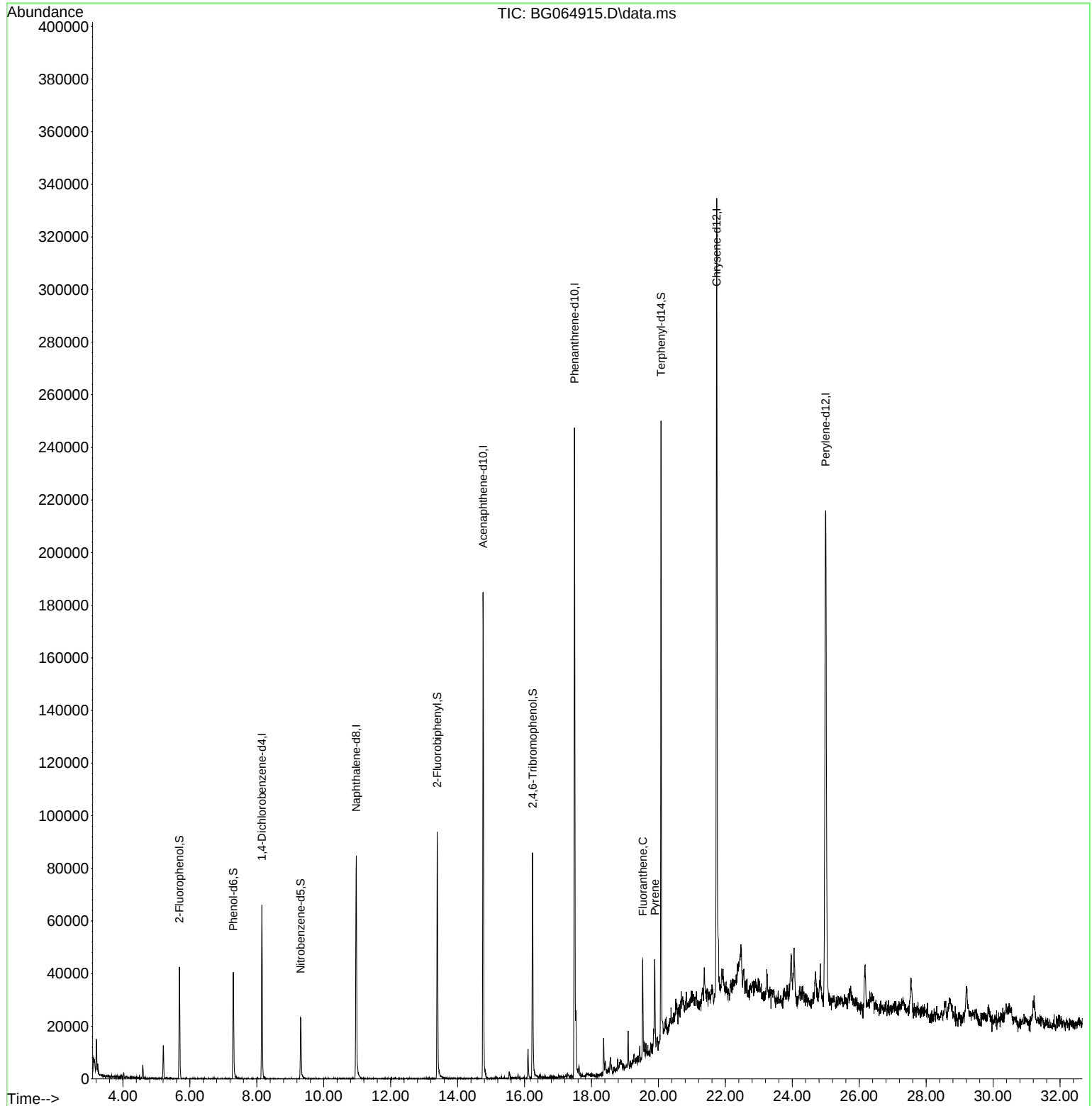
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	19911	20.000	ng	-0.02
21) Naphthalene-d8	10.972	136	81633	20.000	ng	#-0.01
39) Acenaphthene-d10	14.762	164	77362	20.000	ng	-0.02
64) Phenanthrene-d10	17.494	188	179167	20.000	ng	# 0.00
76) Chrysene-d12	21.742	240	215643	20.000	ng	#-0.02
86) Perylene-d12	24.997	264	246909	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	18802	16.490	ng	0.00
7) Phenol-d6	7.294	99	24561	16.195	ng	-0.02
23) Nitrobenzene-d5	9.309	82	15535	9.409	ng	-0.02
42) 2,4,6-Tribromophenol	16.242	330	27100	17.961	ng	0.00
45) 2-Fluorobiphenyl	13.393	172	58541	10.559	ng	-0.02
79) Terphenyl-d14	20.079	244	135437	12.355	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	19.533	202	28801	2.149	ng	95
78) Pyrene	19.891	202	26162	2.165	ng	94

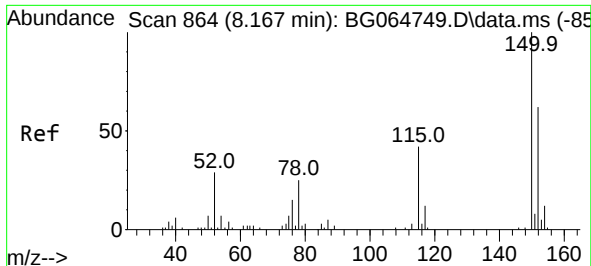
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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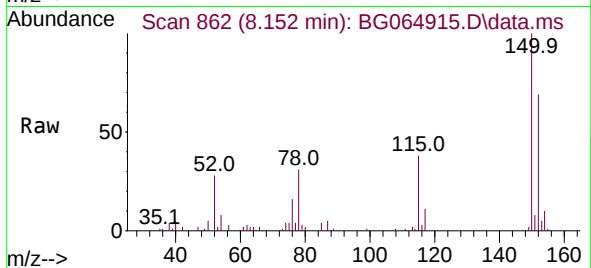
Quant Time: Dec 10 00:17:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



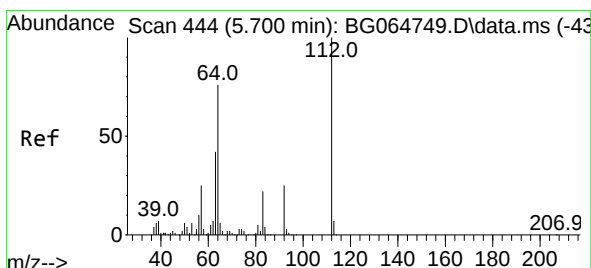
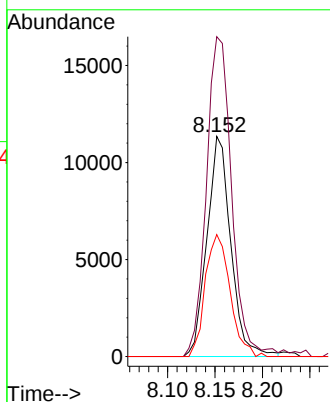
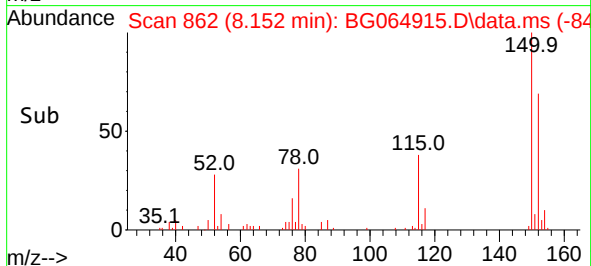


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.152 min Scan# 862
 Delta R.T. -0.015 min
 Lab File: BG064915.D
 Acq: 9 Dec 2025 21:46

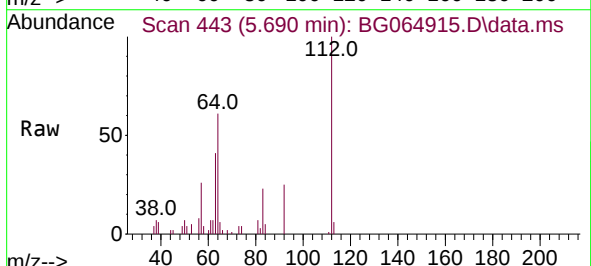
Instrument :
 BNA_G
 ClientSampleId :
 304 FURMAN SOILD



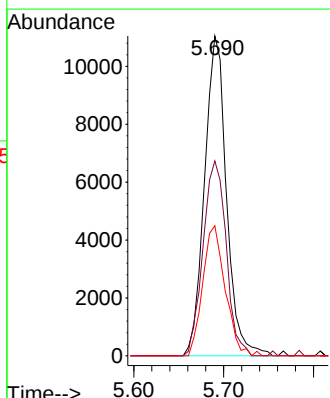
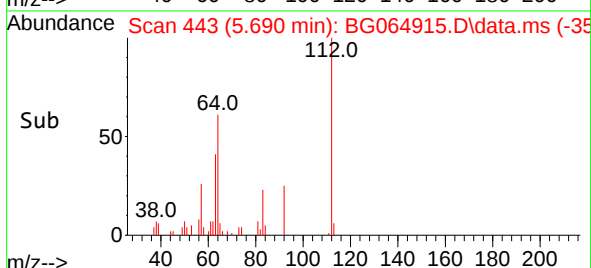
Tgt Ion:152 Resp: 19911
 Ion Ratio Lower Upper
 152 100
 150 145.3 129.2 193.8
 115 55.4 53.7 80.5

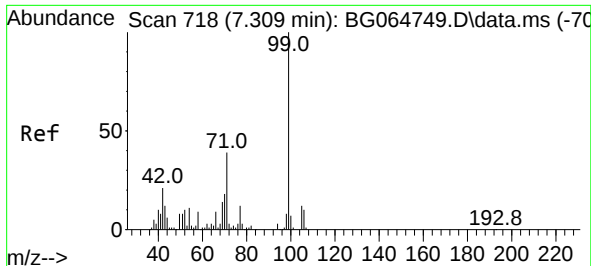


#5
 2-Fluorophenol
 Concen: 16.490 ng
 RT: 5.690 min Scan# 443
 Delta R.T. -0.009 min
 Lab File: BG064915.D
 Acq: 9 Dec 2025 21:46



Tgt Ion:112 Resp: 18802
 Ion Ratio Lower Upper
 112 100
 64 60.9 61.0 91.4#
 63 40.7 33.3 49.9

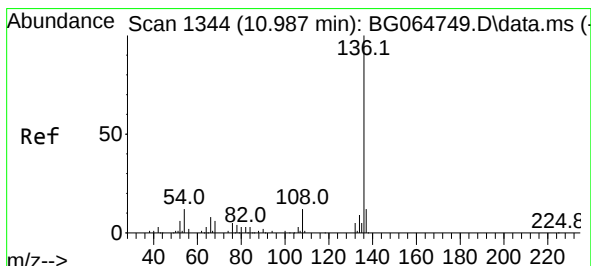
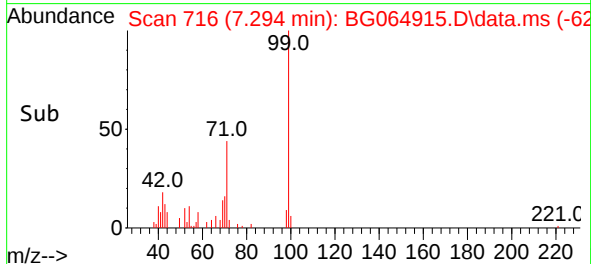
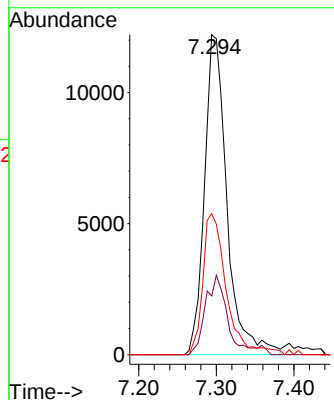
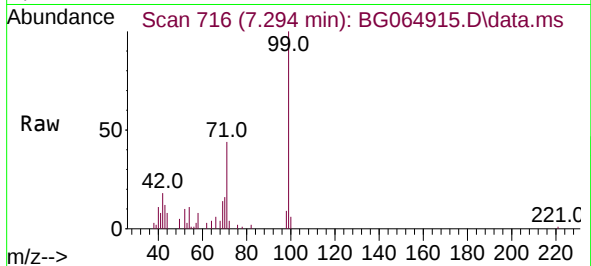




#7
Phenol-d6
Concen: 16.195 ng
RT: 7.294 min Scan# 716
Delta R.T. -0.015 min
Lab File: BG064915.D
Acq: 9 Dec 2025 21:46

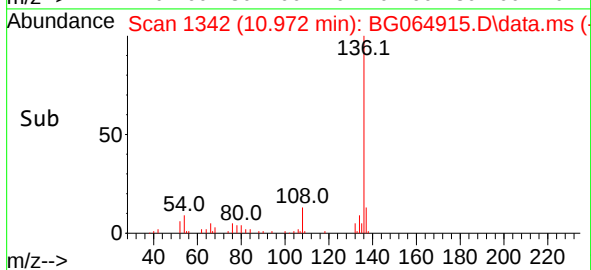
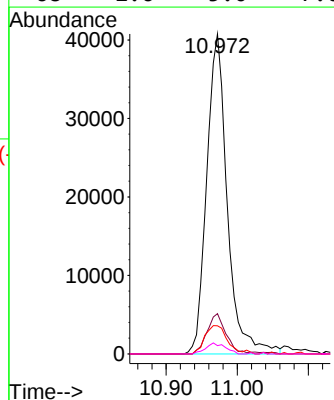
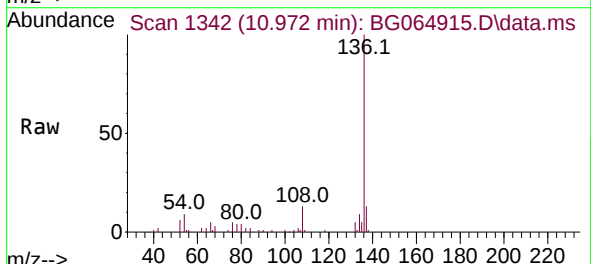
Instrument :
BNA_G
ClientSampleId :
304 FURMAN SOILD

Tgt Ion: 99 Resp: 24561
Ion Ratio Lower Upper
99 100
42 18.3 16.8 25.2
71 44.0 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.972 min Scan# 1342
Delta R.T. -0.015 min
Lab File: BG064915.D
Acq: 9 Dec 2025 21:46

Tgt Ion: 136 Resp: 81633
Ion Ratio Lower Upper
136 100
137 12.6 9.3 13.9
54 8.8 9.3 13.9#
68 2.6 5.0 7.6#

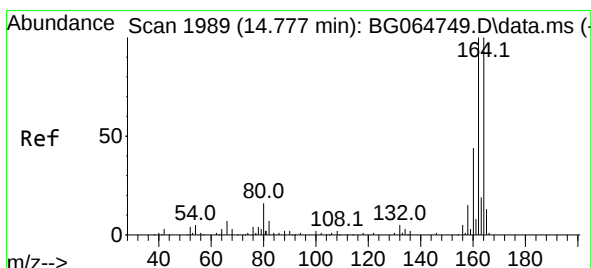
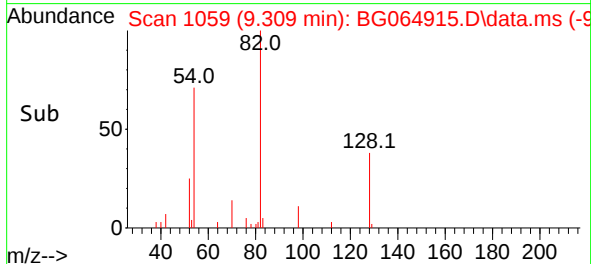
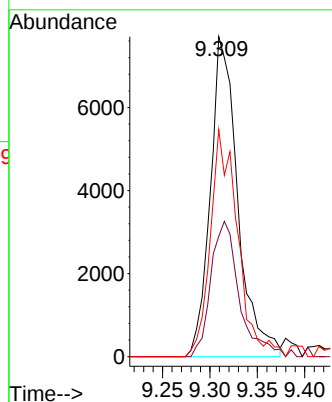
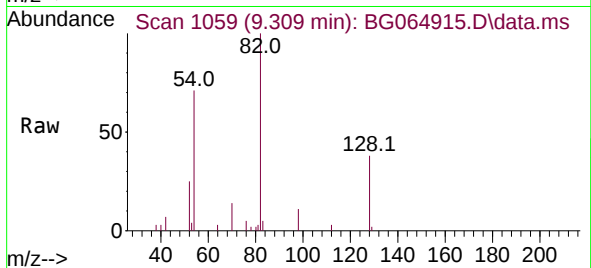




#23
Nitrobenzene-d5
Concen: 9.409 ng
RT: 9.309 min Scan# 1062
Delta R.T. -0.021 min
Lab File: BG064915.D
Acq: 9 Dec 2025 21:46

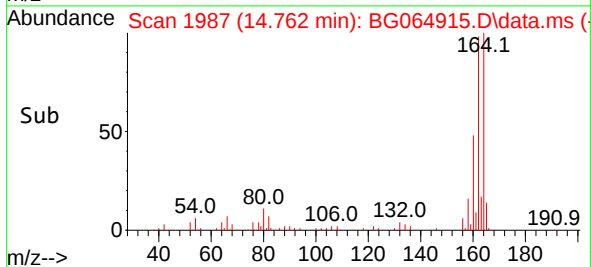
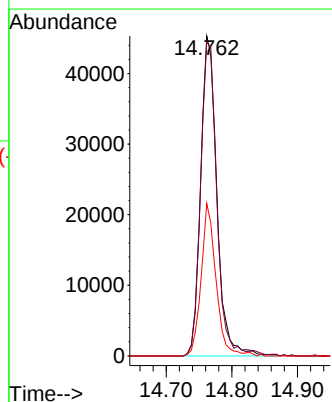
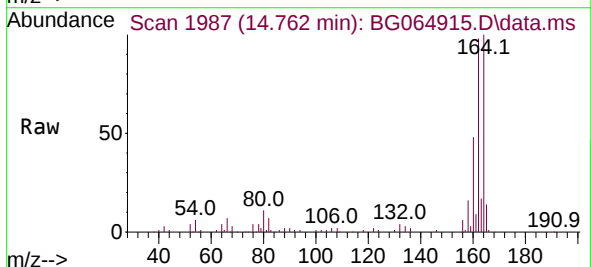
Instrument :
BNA_G
ClientSampleId :
304 FURMAN SOILD

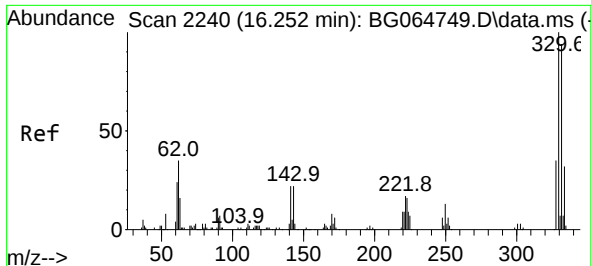
Tgt Ion: 82 Resp: 15535
Ion Ratio Lower Upper
82 100
128 37.6 34.1 51.1
54 70.9 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.762 min Scan# 1987
Delta R.T. -0.015 min
Lab File: BG064915.D
Acq: 9 Dec 2025 21:46

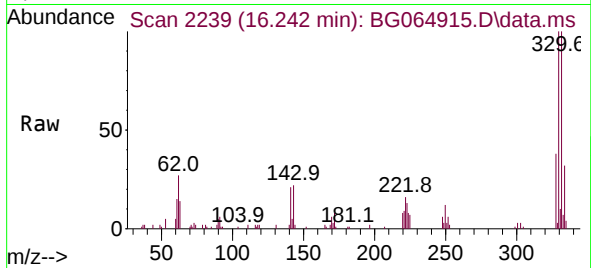
Tgt Ion: 164 Resp: 77362
Ion Ratio Lower Upper
164 100
162 98.0 79.8 119.6
160 47.6 34.9 52.3



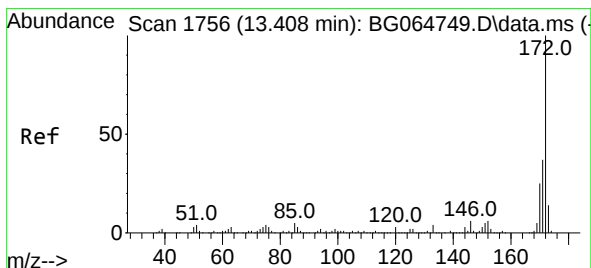
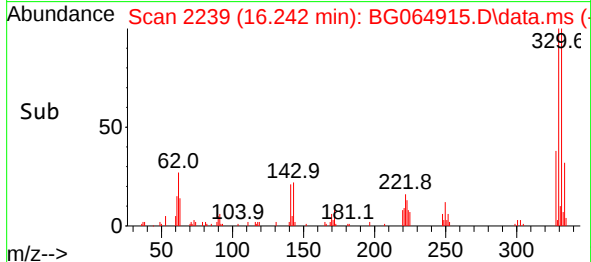
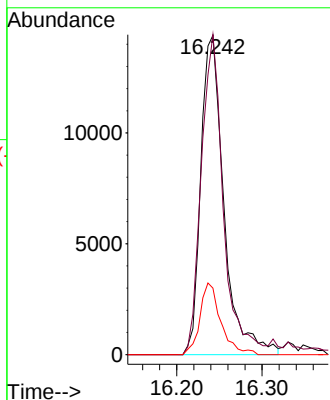


#42
2,4,6-Tribromophenol
Concen: 17.961 ng
RT: 16.242 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064915.D
Acq: 9 Dec 2025 21:46

Instrument :
BNA_G
ClientSampleId :
304 FURMAN SOILD

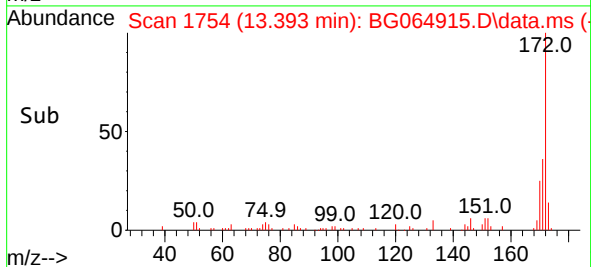
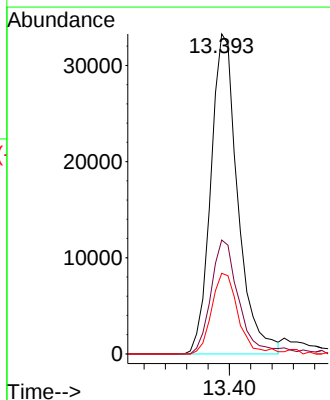
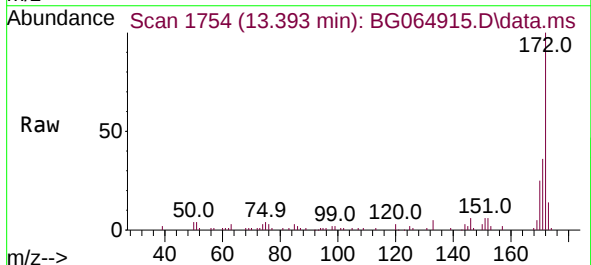


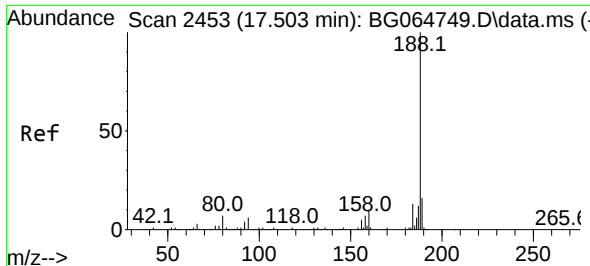
Tgt Ion:330 Resp: 27100
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 20.3 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 10.559 ng
RT: 13.393 min Scan# 1754
Delta R.T. -0.015 min
Lab File: BG064915.D
Acq: 9 Dec 2025 21:46

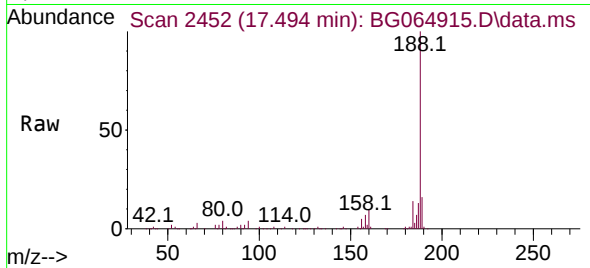
Tgt Ion:172 Resp: 58541
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 25.2 19.8 29.6



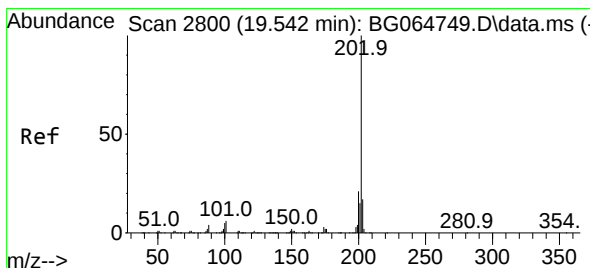
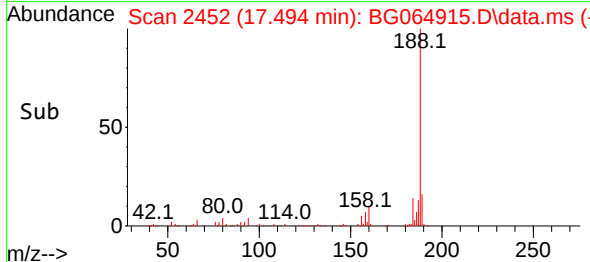
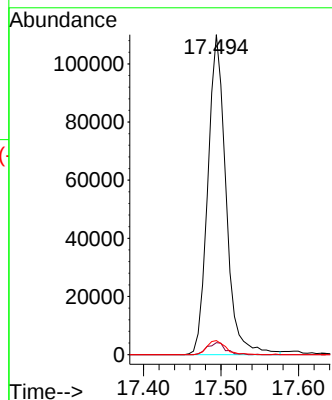


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.494 min Scan# 2453
Delta R.T. -0.010 min
Lab File: BG064915.D
Acq: 9 Dec 2025 21:46

Instrument :
BNA_G
ClientSampleId :
304 FURMAN SOILD

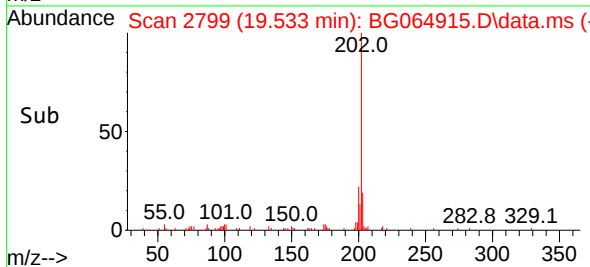
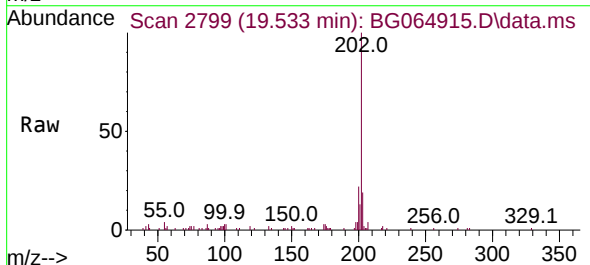
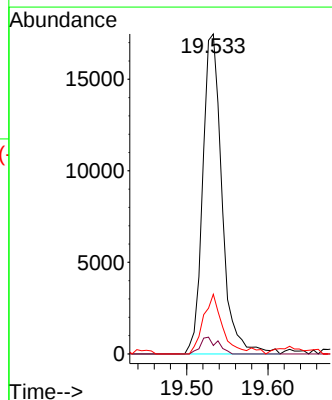


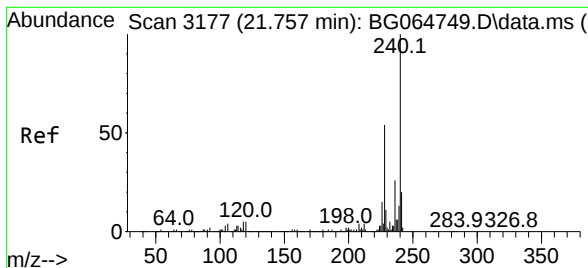
Tgt Ion:188 Resp: 179167
Ion Ratio Lower Upper
188 100
94 3.7 4.7 7.1#
80 4.4 5.4 8.2#



#75
Fluoranthene
Concen: 2.149 ng
RT: 19.533 min Scan# 2799
Delta R.T. -0.009 min
Lab File: BG064915.D
Acq: 9 Dec 2025 21:46

Tgt Ion:202 Resp: 28801
Ion Ratio Lower Upper
202 100
101 2.6 0.0 26.4
203 18.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.742 min Scan# 3175

Delta R.T. -0.015 min

Lab File: BG064915.D

Acq: 9 Dec 2025 21:46

Instrument :

BNA_G

ClientSampleId :

304 FURMAN SOILD

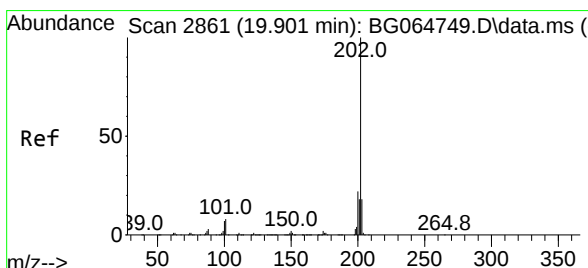
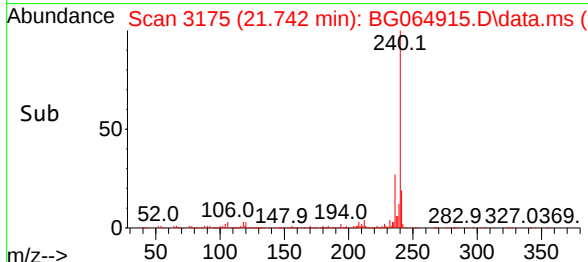
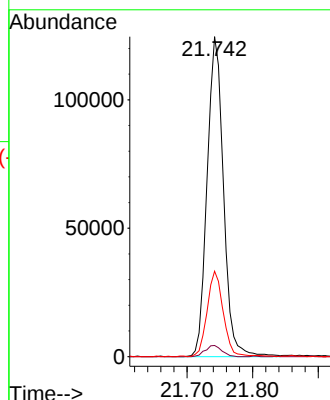
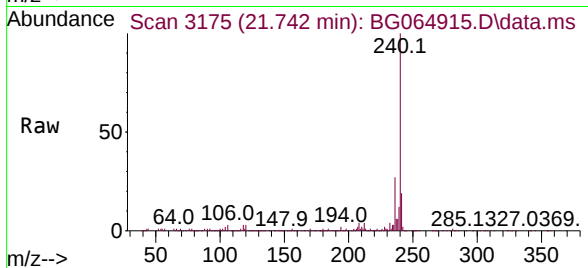
Tgt Ion:240 Resp: 215643

Ion Ratio Lower Upper

240 100

120 3.5 4.2 6.4#

236 26.7 20.8 31.2



#78

Pyrene

Concen: 2.165 ng

RT: 19.891 min Scan# 2860

Delta R.T. -0.009 min

Lab File: BG064915.D

Acq: 9 Dec 2025 21:46

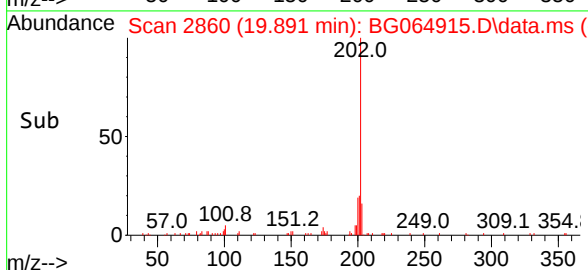
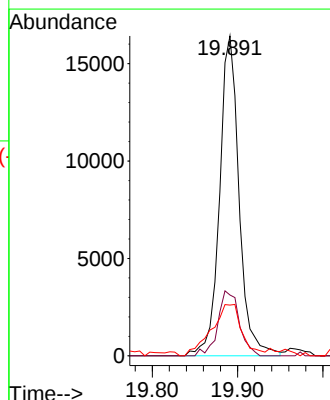
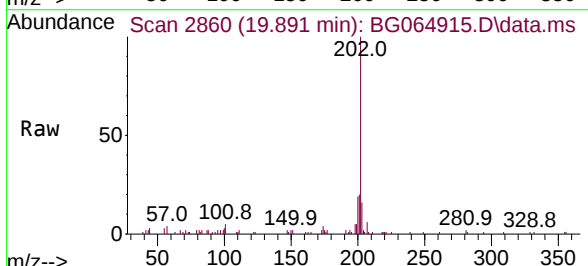
Tgt Ion:202 Resp: 26162

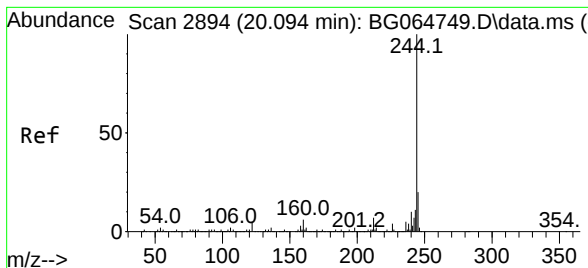
Ion Ratio Lower Upper

202 100

200 19.0 17.9 26.9

203 15.9 14.0 21.0





#79

Terphenyl-d14

Concen: 12.355 ng

RT: 20.079 min Scan# 2892

Delta R.T. -0.015 min

Lab File: BG064915.D

Acq: 9 Dec 2025 21:46

Instrument :

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ClientSampleId :

304 FURMAN SOILD

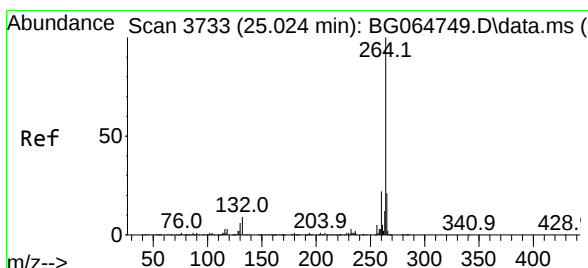
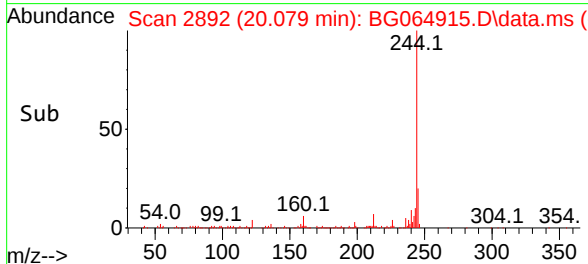
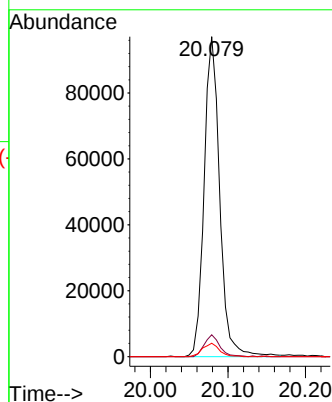
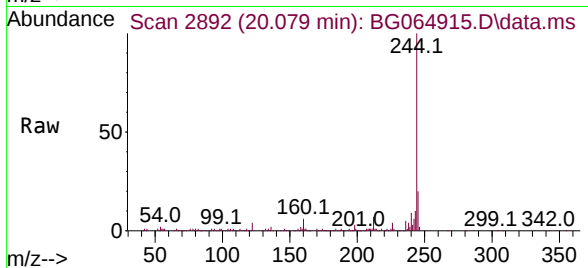
Tgt Ion:244 Resp: 135437

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 4.2 4.3 6.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.997 min Scan# 3729

Delta R.T. -0.027 min

Lab File: BG064915.D

Acq: 9 Dec 2025 21:46

Tgt Ion:264 Resp: 246909

Ion Ratio Lower Upper

264 100

260 21.8 17.2 25.8

265 22.9 16.6 25.0

