

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112025\
 Data File : BG064835.D
 Acq On : 20 Nov 2025 15:41
 Operator : RC/JU
 Sample : Q3686-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FAIRLAWN-GRAVEL

Quant Time: Nov 20 16:17:07 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)

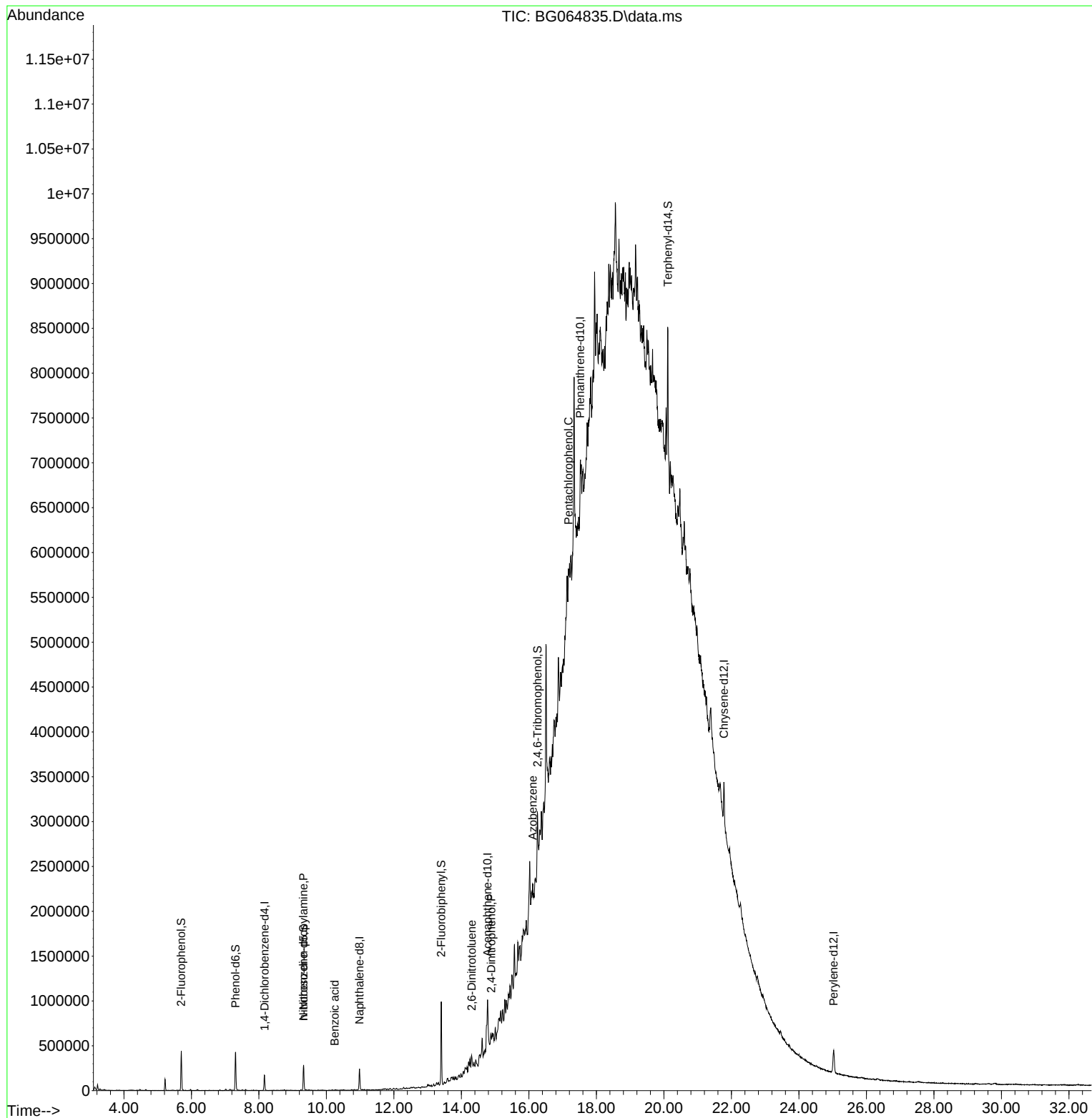
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.166	152	52747	20.000	ng	0.00
21) Naphthalene-d8	10.980	136	203219	20.000	ng	0.00
39) Acenaphthene-d10	14.770	164	153890	20.000	ng	0.00
64) Phenanthrene-d10	17.520	188	278639	20.000	ng	# 0.02
76) Chrysene-d12	21.779	240	312376	20.000	ng	0.02
86) Perylene-d12	25.029	264	310182	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	191490	63.394	ng	0.00
7) Phenol-d6	7.308	99	258528	64.349	ng	0.00
23) Nitrobenzene-d5	9.323	82	170315	41.437	ng	0.00
42) 2,4,6-Tribromophenol	16.251	330	186604	62.174	ng	0.00
45) 2-Fluorobiphenyl	13.401	172	522073	47.337	ng	0.00
79) Terphenyl-d14	20.117	244	812257	51.149	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.323	70	22379	8.238	ng	# 65
32) Benzoic acid	10.240	122	64	5.906	ng	# 36
51) 2,6-Dinitrotoluene	14.300	165	15421	6.593	ng	# 26
54) 2,4-Dinitrophenol	14.882	184	57	8.616	ng	# 1
63) Azobenzene	16.116	77	28141	2.905	ng	# 45
70) Pentachlorophenol	17.173	266	2030	6.857	ng	# 1

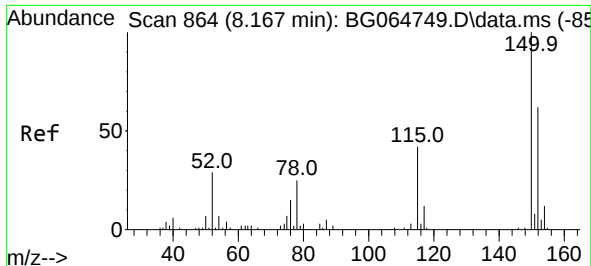
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112025\
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Response via : Initial Calibration

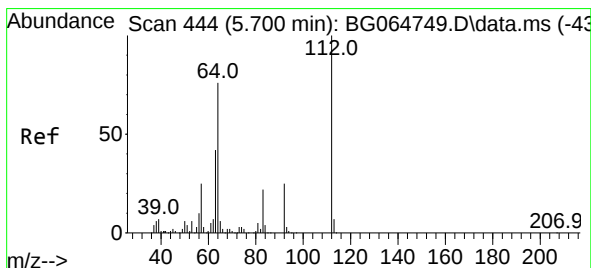
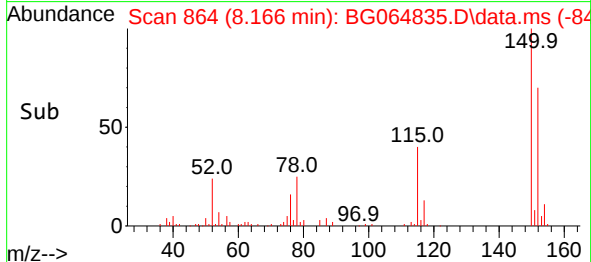
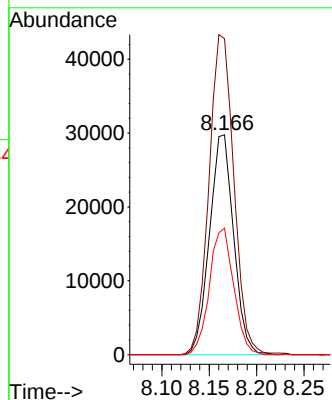
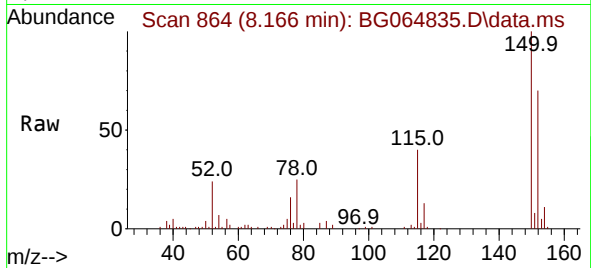




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.166 min Scan# 864
Delta R.T. -0.001 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

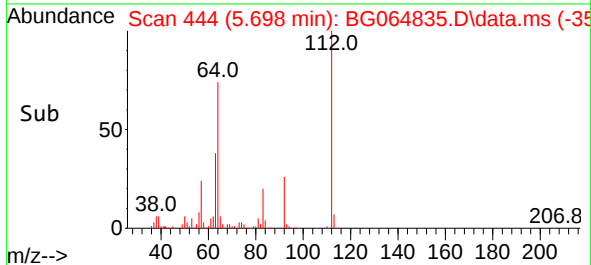
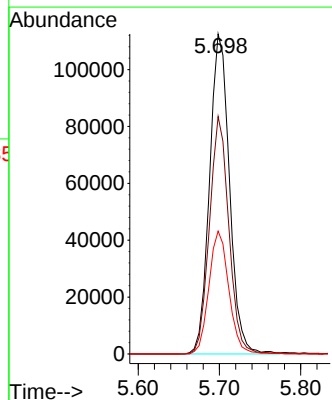
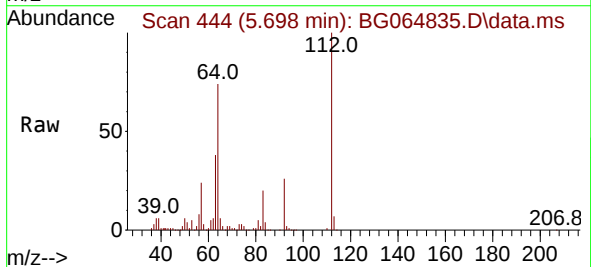
Instrument :
BNA_G
ClientSampleId :
FAIRLAWN-GRAVEL

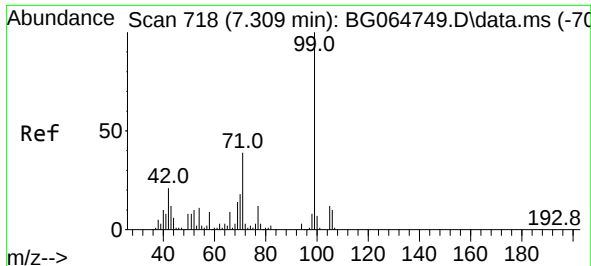
Tgt Ion:152 Resp: 52747
Ion Ratio Lower Upper
152 100
150 143.8 129.2 193.8
115 57.6 53.7 80.5



#5
2-Fluorophenol
Concen: 63.394 ng
RT: 5.698 min Scan# 444
Delta R.T. -0.001 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

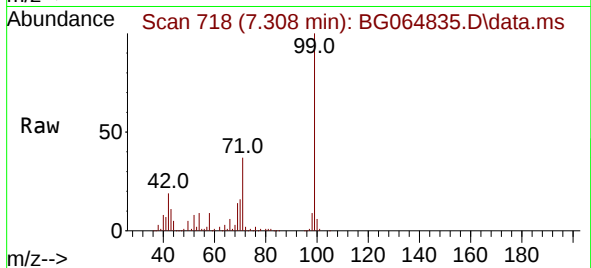
Tgt Ion:112 Resp: 191490
Ion Ratio Lower Upper
112 100
64 74.2 61.0 91.4
63 38.4 33.3 49.9



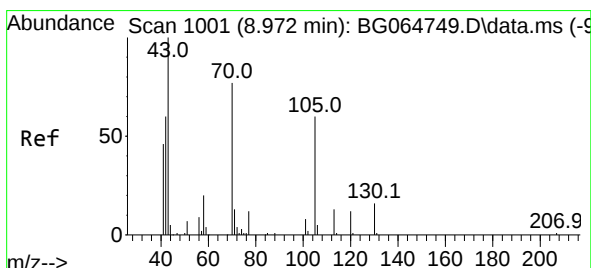
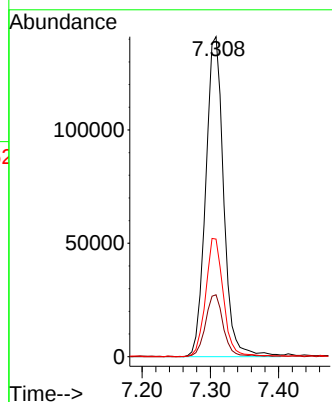
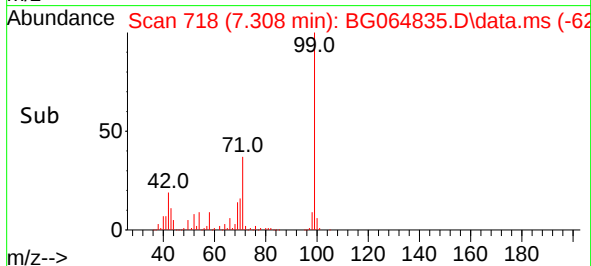


#7
Phenol-d6
Concen: 64.349 ng
RT: 7.308 min Scan# 718
Delta R.T. -0.001 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

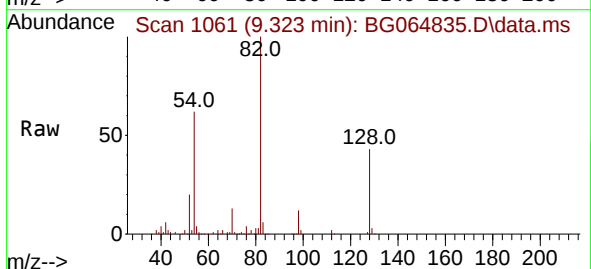
Instrument :
BNA_G
ClientSampleId :
FAIRLAWN-GRAVEL



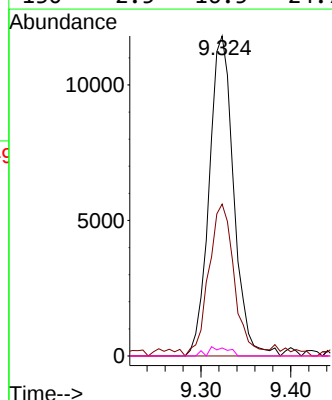
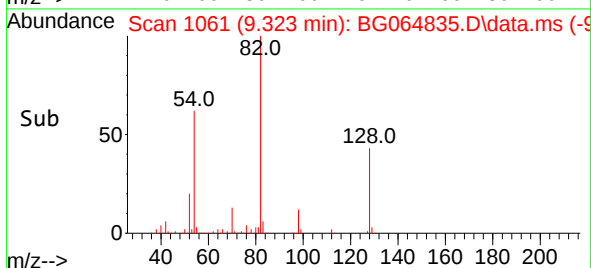
Tgt Ion: 99 Resp: 258528
Ion Ratio Lower Upper
99 100
42 19.3 16.8 25.2
71 36.7 31.1 46.7

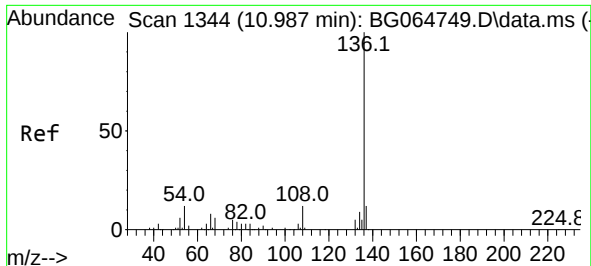


#19
n-Nitroso-di-n-propylamine
Concen: 8.238 ng
RT: 9.323 min Scan# 1061
Delta R.T. 0.351 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41



Tgt Ion: 70 Resp: 22379
Ion Ratio Lower Upper
70 100
42 47.5 62.6 93.8#
101 0.0 8.0 12.0#
130 2.5 16.5 24.7#

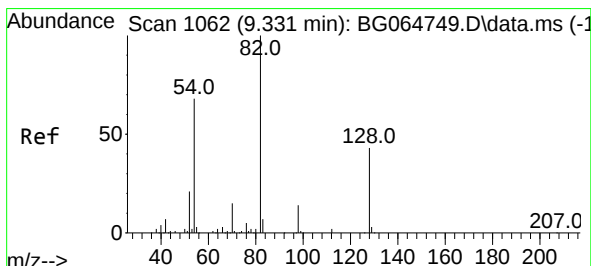
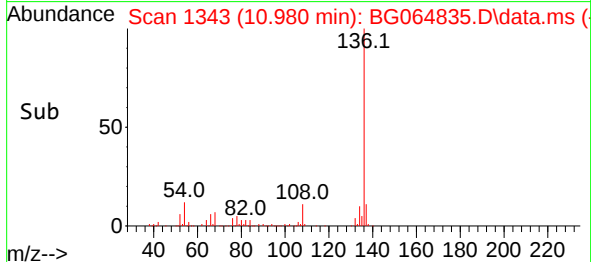
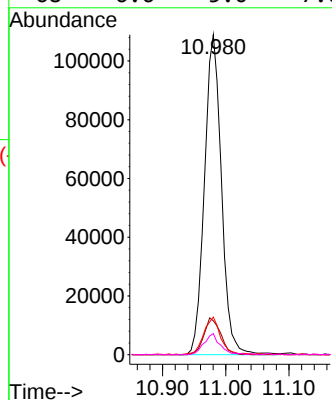
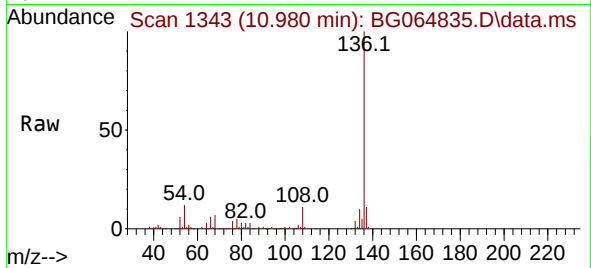




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.980 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

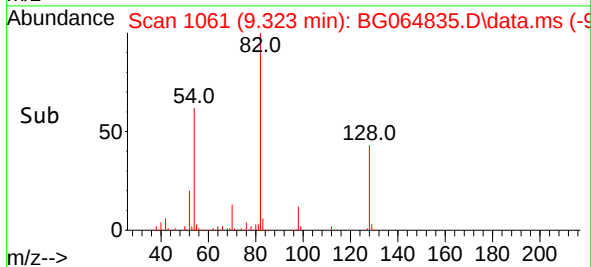
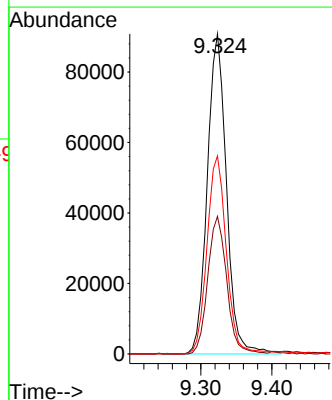
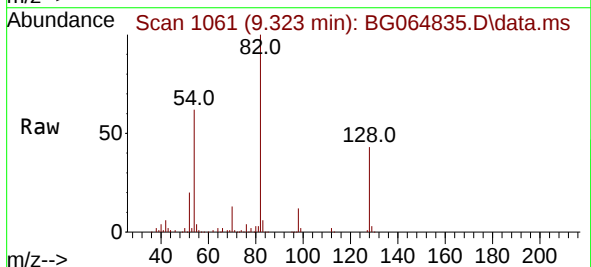
Instrument :
BNA_G
ClientSampleId :
FAIRLAWN-GRAVEL

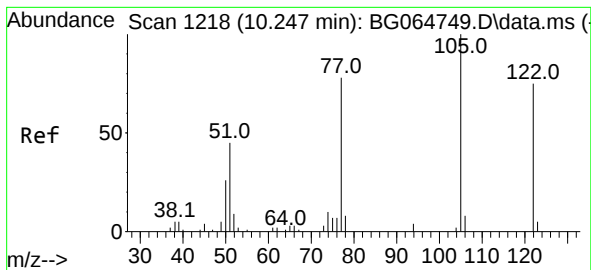
Tgt Ion:	136	Resp:	203219
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.3	13.9
54	11.7	9.3	13.9
68	6.6	5.0	7.6



#23
Nitrobenzene-d5
Concen: 41.437 ng
RT: 9.323 min Scan# 1061
Delta R.T. -0.007 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

Tgt Ion:	82	Resp:	170315
Ion Ratio	Lower	Upper	
82	100		
128	43.0	34.1	51.1
54	61.9	54.3	81.5

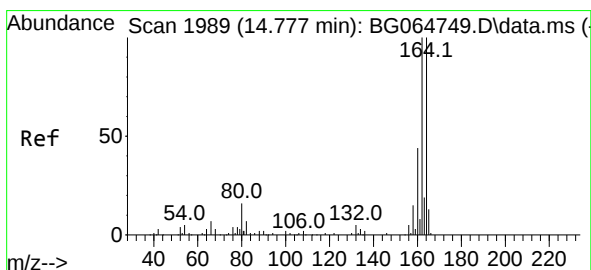
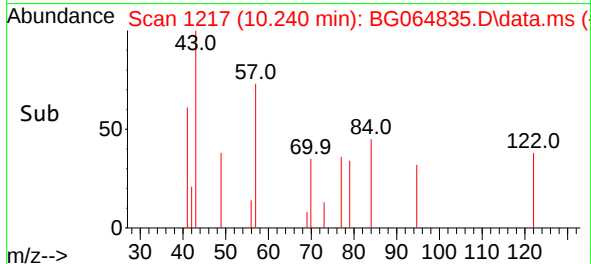
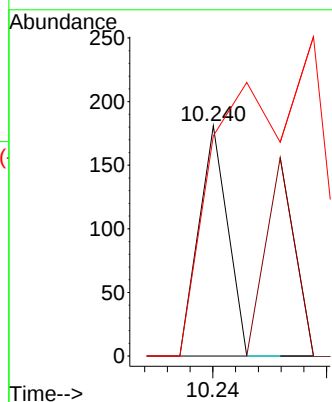
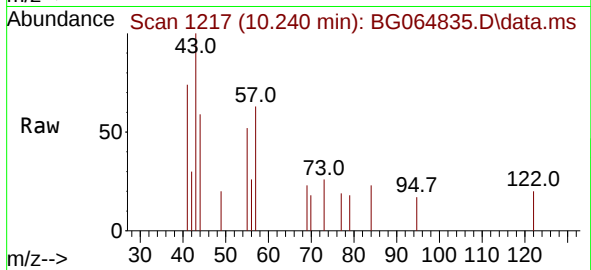




#32
Benzoic acid
Concen: 5.906 ng
RT: 10.240 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

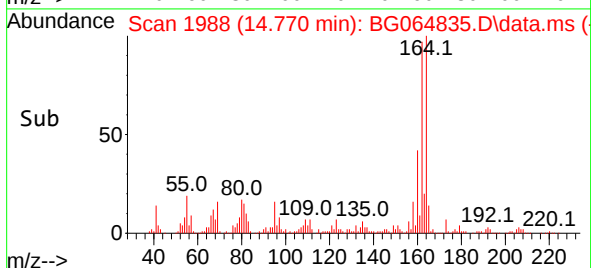
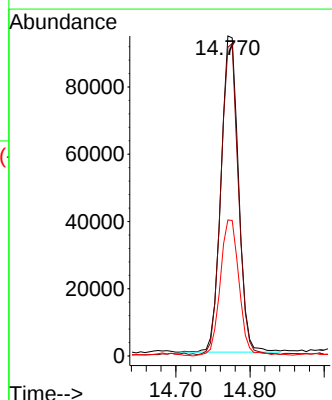
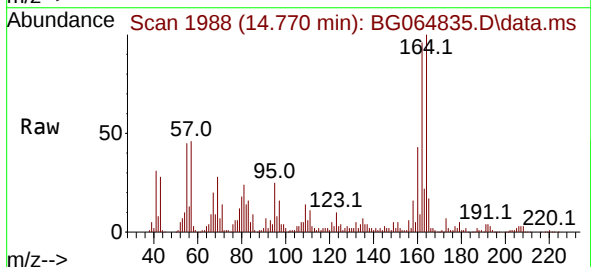
Instrument :
BNA_G
ClientSampleId :
FAIRLAWN-GRAVEL

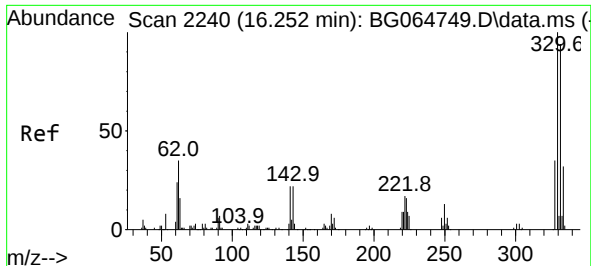
Tgt Ion:122 Resp: 64
Ion Ratio Lower Upper
122 100
105 0.0 107.6 147.6#
77 95.6 82.5 122.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.770 min Scan# 1988
Delta R.T. -0.007 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

Tgt Ion:164 Resp: 153890
Ion Ratio Lower Upper
164 100
162 96.4 79.8 119.6
160 42.5 34.9 52.3

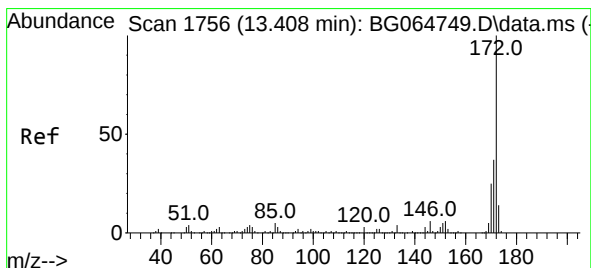
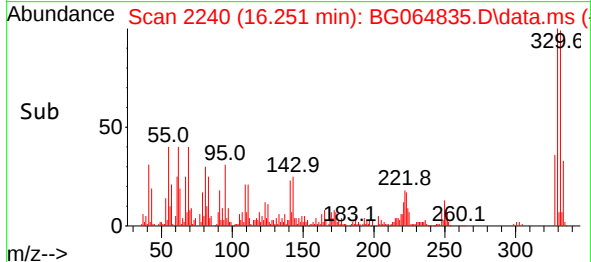
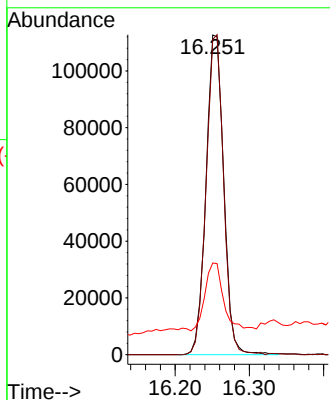
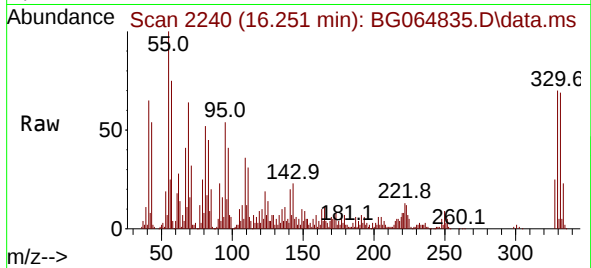




#42
2,4,6-Tribromophenol
Concen: 62.174 ng
RT: 16.251 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

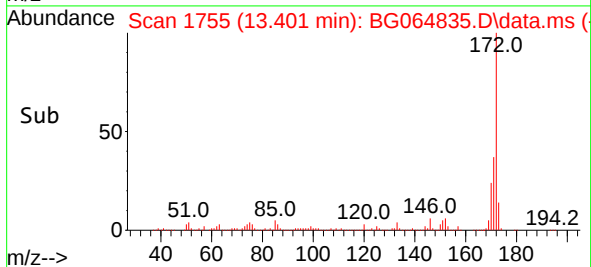
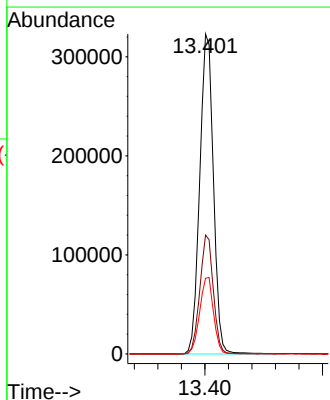
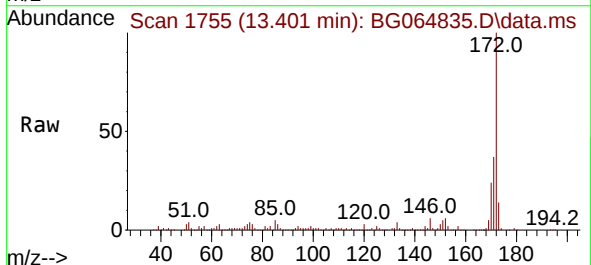
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ClientSampleId :
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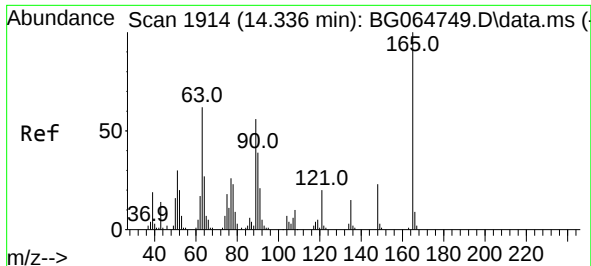
Tgt Ion:330 Resp: 186604
Ion Ratio Lower Upper
330 100
332 98.1 77.0 115.6
141 22.2 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 47.337 ng
RT: 13.401 min Scan# 1755
Delta R.T. -0.007 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

Tgt Ion:172 Resp: 522073
Ion Ratio Lower Upper
172 100
171 37.2 29.9 44.9
170 23.7 19.8 29.6

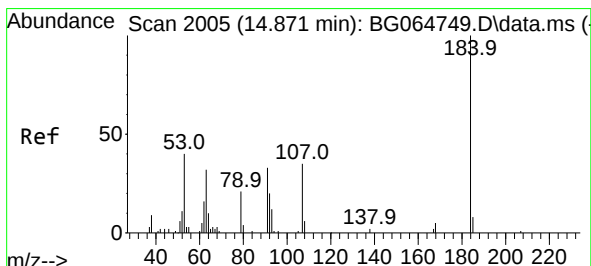
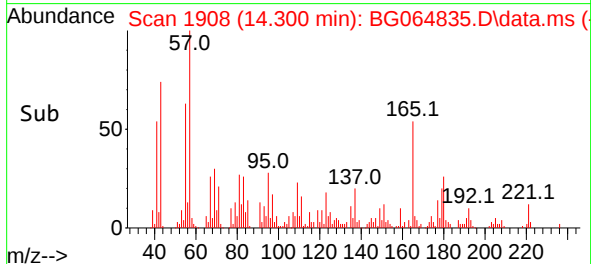
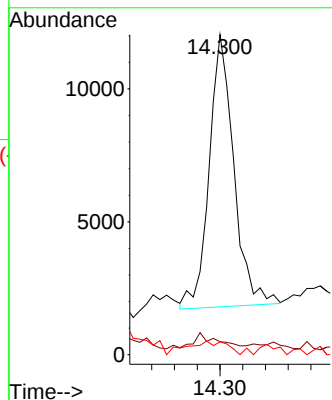
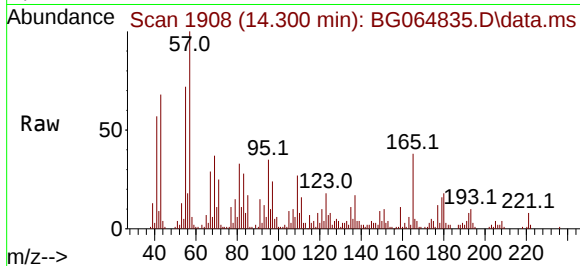




#51
2,6-Dinitrotoluene
Concen: 6.593 ng
RT: 14.300 min Scan# 1914
Delta R.T. -0.036 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

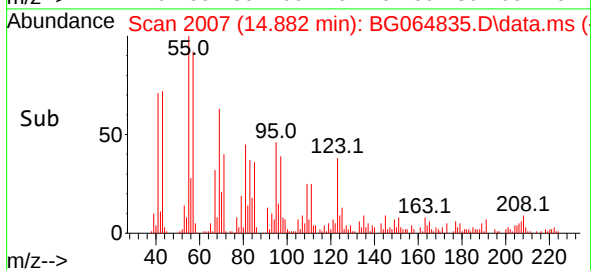
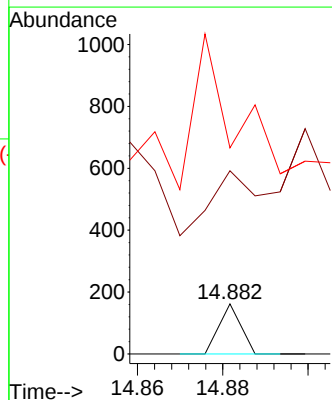
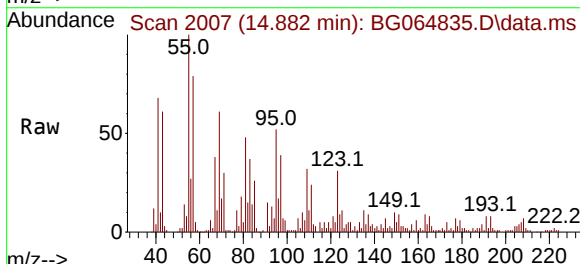
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ClientSampleId :
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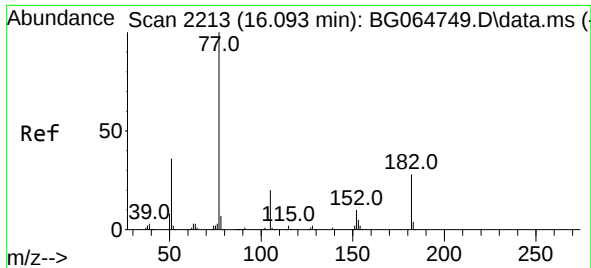
Tgt Ion:165 Resp: 15421
Ion Ratio Lower Upper
165 100
63 4.0 49.8 74.8#
89 4.0 45.0 67.4#



#54
2,4-Dinitrophenol
Concen: 8.616 ng
RT: 14.882 min Scan# 2007
Delta R.T. 0.011 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 365.4 45.8 68.6#
154 411.1 52.6 78.8#

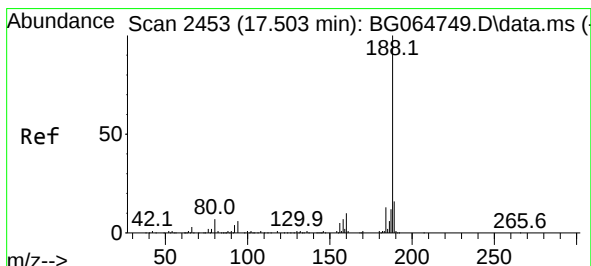
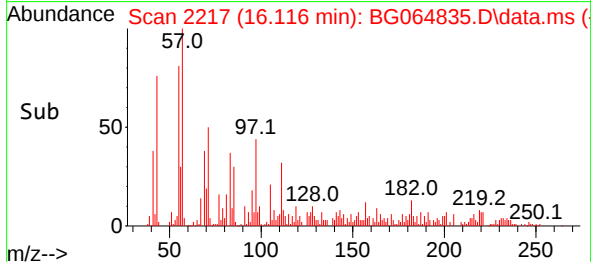
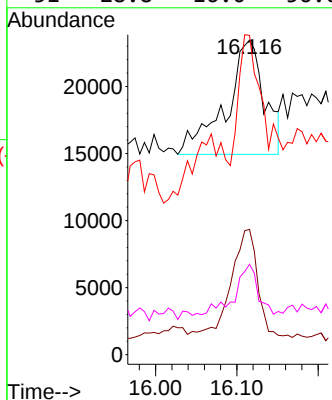
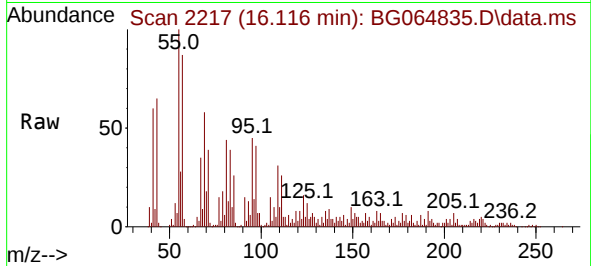




#63
Azobenzene
Concen: 2.905 ng
RT: 16.116 min Scan# 21
Delta R.T. 0.022 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

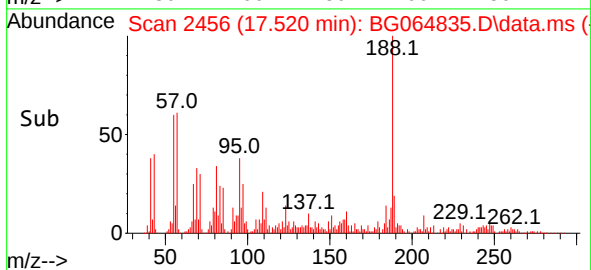
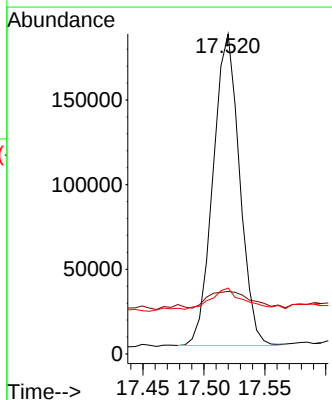
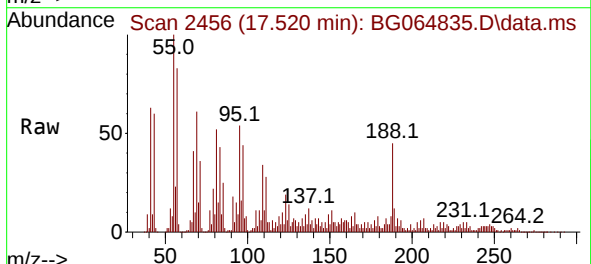
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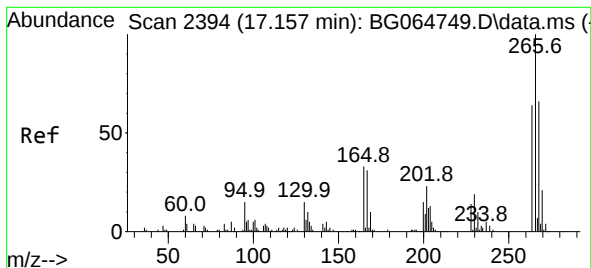
Tgt Ion: 77	Resp: 28141
Ion Ratio	Lower Upper
77 100	
182 39.8	8.1 48.1
105 101.4	0.1 40.1#
51 28.8	16.0 56.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.520 min Scan# 2456
Delta R.T. 0.016 min
Lab File: BG064835.D
Acq: 20 Nov 2025 15:41

Tgt Ion: 188	Resp: 278639
Ion Ratio	Lower Upper
188 100	
94 19.5	4.7 7.1#
80 20.6	5.4 8.2#





#70

Pentachlorophenol

Concen: 6.857 ng

RT: 17.173 min Scan# 21

Delta R.T. 0.016 min

Lab File: BG064835.D

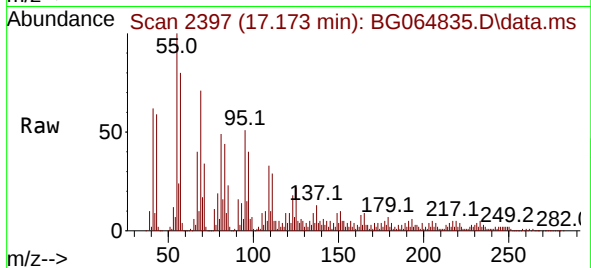
Acq: 20 Nov 2025 15:41

Instrument :

BNA_G

ClientSampleId :

FAIRLAWN-GRAVEL



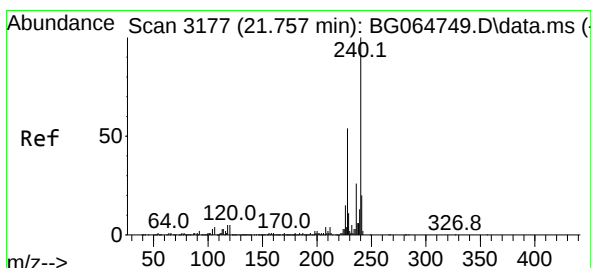
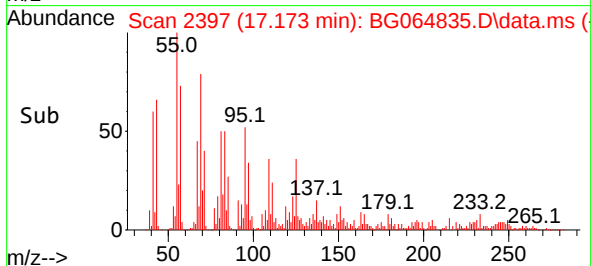
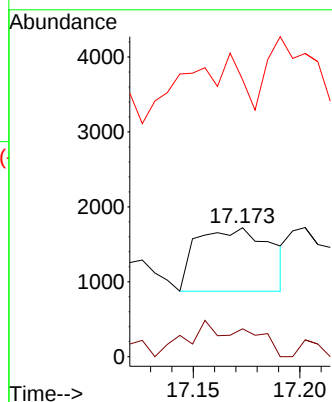
Tgt Ion:266 Resp: 2030

Ion Ratio Lower Upper

266 100

268 21.5 56.1 84.1#

264 214.6 51.2 76.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.779 min Scan# 3181

Delta R.T. 0.022 min

Lab File: BG064835.D

Acq: 20 Nov 2025 15:41

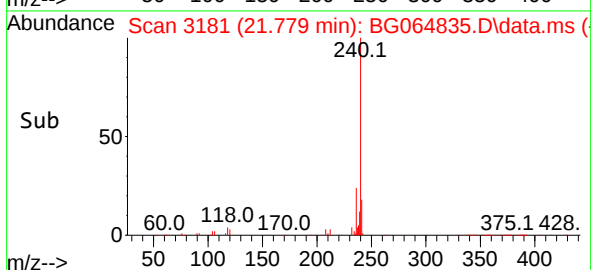
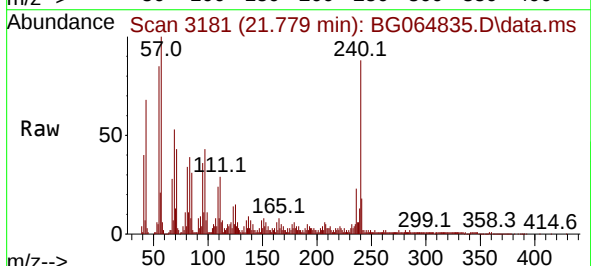
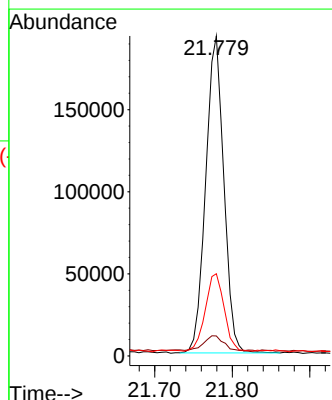
Tgt Ion:240 Resp: 312376

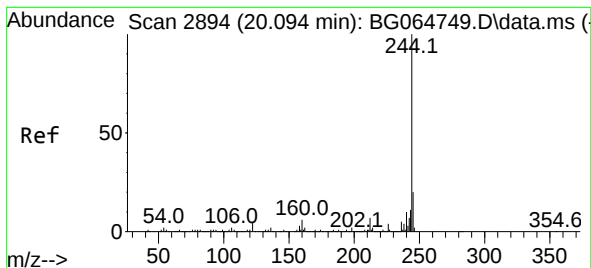
Ion Ratio Lower Upper

240 100

120 6.2 4.2 6.4

236 25.7 20.8 31.2





#79

Terphenyl-d14

Concen: 51.149 ng

RT: 20.117 min Scan# 21

Delta R.T. 0.022 min

Lab File: BG064835.D

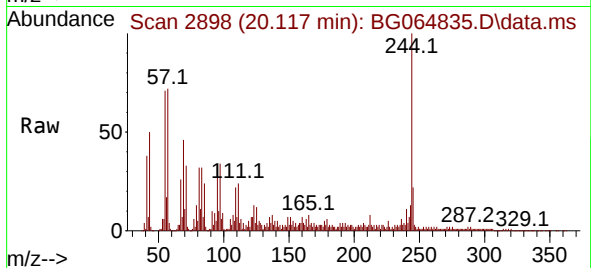
Acq: 20 Nov 2025 15:41

Instrument :

BNA_G

ClientSampleId :

FAIRLAWN-GRAVEL



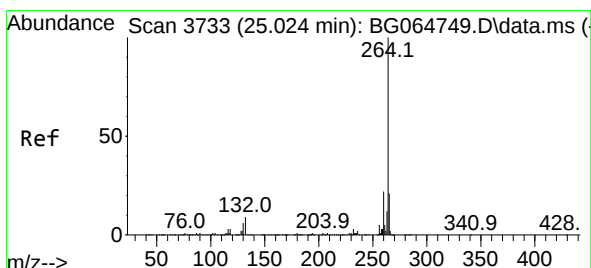
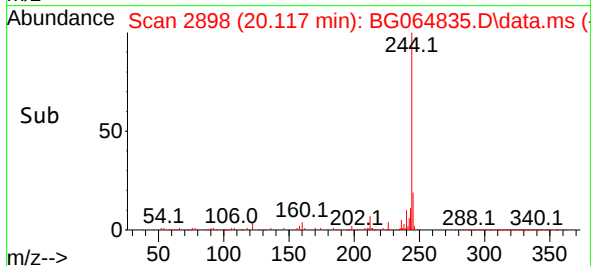
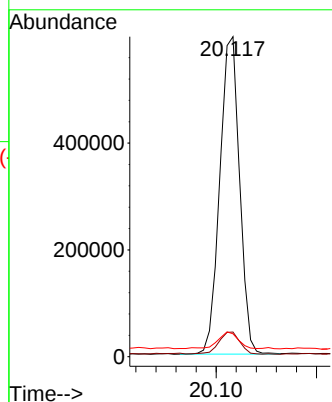
Tgt Ion:244 Resp: 812257

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 7.1 4.3 6.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.029 min Scan# 3734

Delta R.T. 0.005 min

Lab File: BG064835.D

Acq: 20 Nov 2025 15:41

Tgt Ion:264 Resp: 310182

Ion Ratio Lower Upper

264 100

260 23.1 17.2 25.8

265 21.7 16.6 25.0

