

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111925\
 Data File : BG064816.D
 Acq On : 19 Nov 2025 15:16
 Operator : RC/JU
 Sample : Q3530-08
 Misc : LOQ-WATER-10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 19 15:53:15 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)

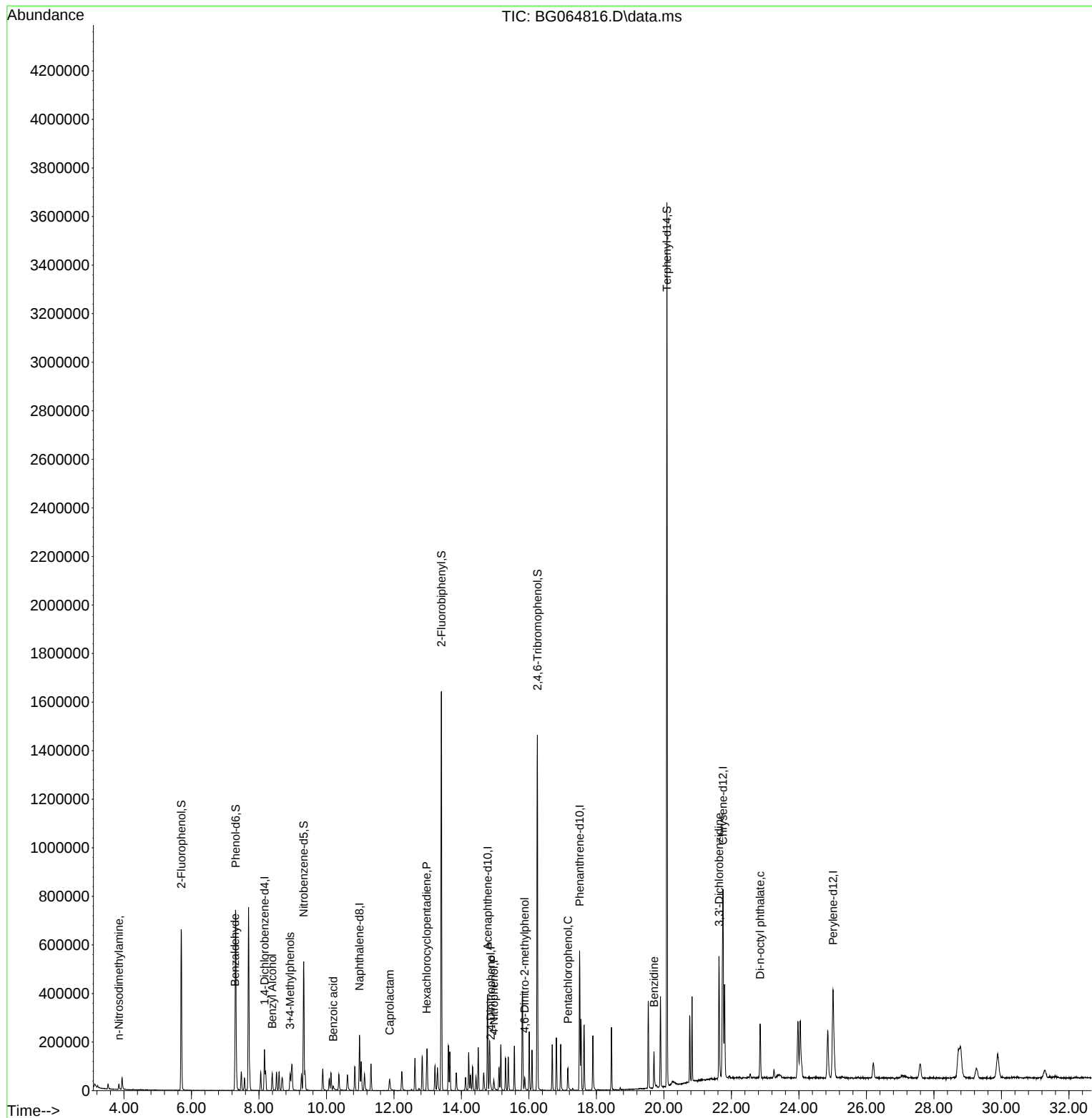
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	48064	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	191748	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	158257	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	383595	20.000	ng	0.00
76) Chrysene-d12	21.749	240	464871	20.000	ng	0.00
86) Perylene-d12	25.009	264	441421	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	296272	107.639	ng	0.00
7) Phenol-d6	7.312	99	432644	118.180	ng	0.00
23) Nitrobenzene-d5	9.328	82	325242	83.865	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	351470	113.873	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	911047	80.326	ng	0.00
79) Terphenyl-d14	20.086	244	2082339	88.114	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.852	42	13589	8.409	ng	# 89
9) Benzaldehyde	7.289	77	26535	11.073	ng	96
15) Benzyl Alcohol	8.394	79	27077	9.011	ng	94
20) 3+4-Methylphenols	8.922	107	34653	8.975	ng	96
32) Benzoic acid	10.197	122	8479	9.248	ng	88
35) Caprolactam	11.872	113	9019	8.970	ng	# 86
41) Hexachlorocyclopentadiene	12.971	237	23274	5.272	ng	97
54) 2,4-Dinitrophenol	14.868	184	7136	12.450	ng	94
56) 4-Nitrophenol	14.956	139	14451	7.672	ng	92
65) 4,6-Dinitro-2-methylph...	15.873	198	16998	7.981	ng	90
70) Pentachlorophenol	17.154	266	26364	12.882	ng	93
77) Benzidine	19.704	184	108517	7.795	ng	99
82) 3,3'-Dichlorobenzidine	21.637	252	107183	9.213	ng	98
85) Di-n-octyl phthalate	22.847	149	215568	9.313	ng	# 100

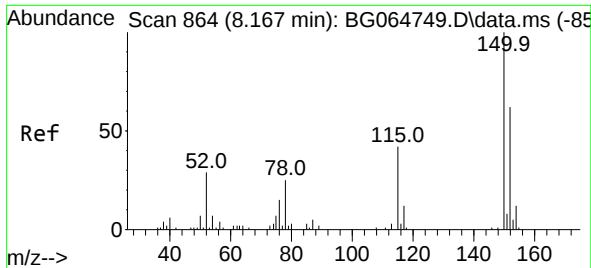
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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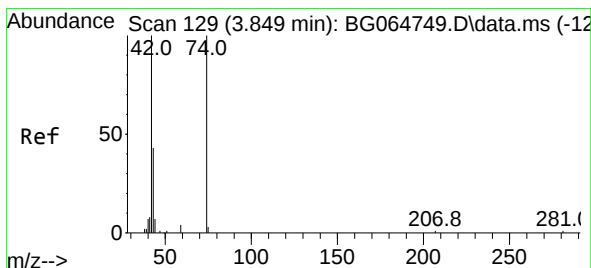
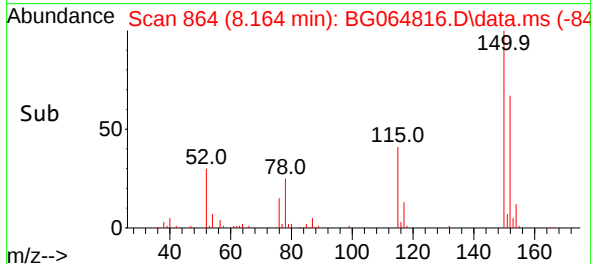
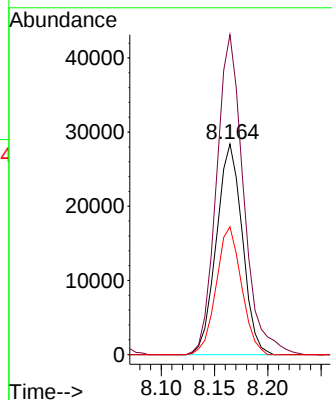
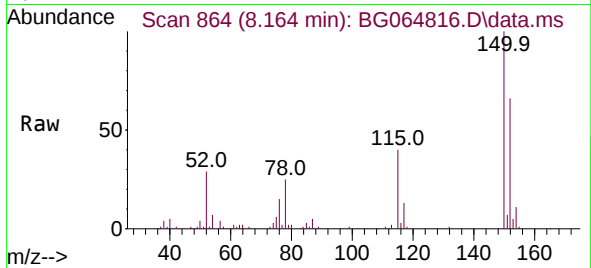




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

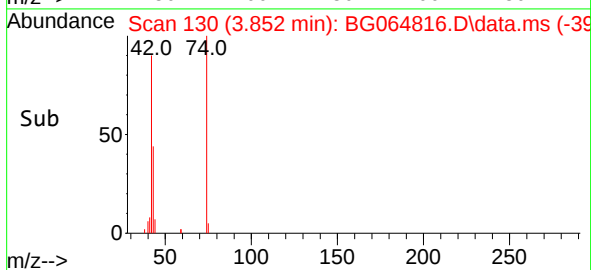
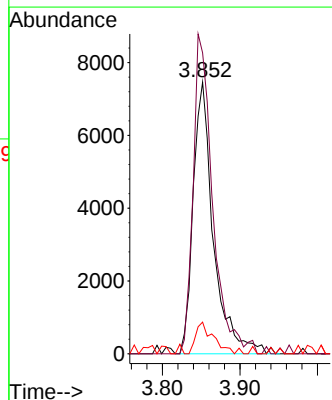
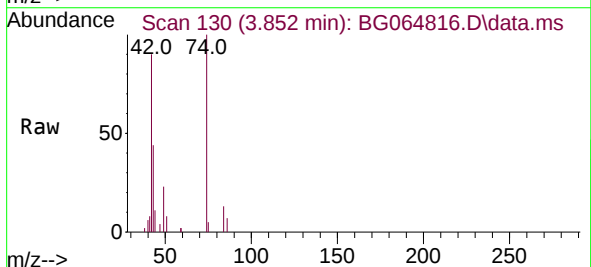
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

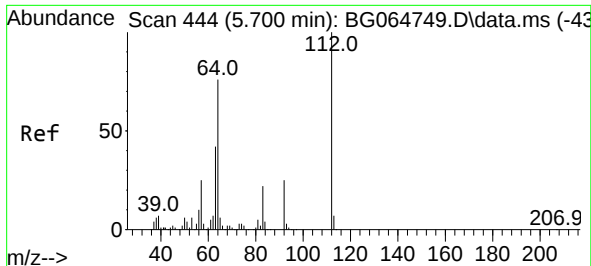
Tgt Ion:152 Resp: 48064
Ion Ratio Lower Upper
152 100
150 151.9 129.2 193.8
115 60.7 53.7 80.5



#4
n-Nitrosodimethylamine
Concen: 8.409 ng
RT: 3.852 min Scan# 130
Delta R.T. 0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Tgt Ion: 42 Resp: 13589
Ion Ratio Lower Upper
42 100
74 110.8 79.8 119.6
44 11.7 5.9 8.9#

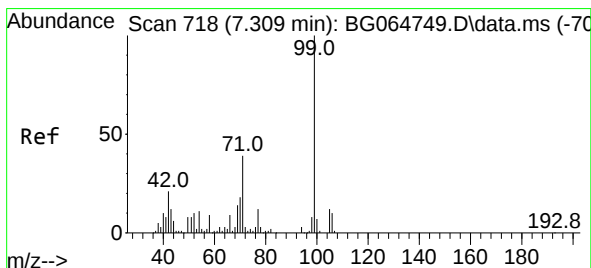
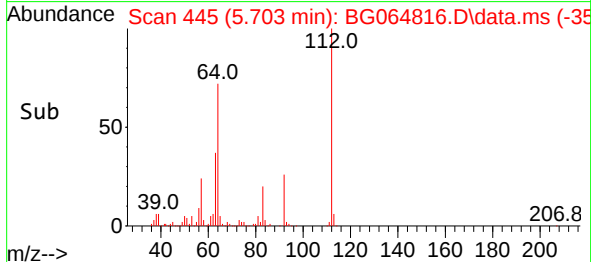
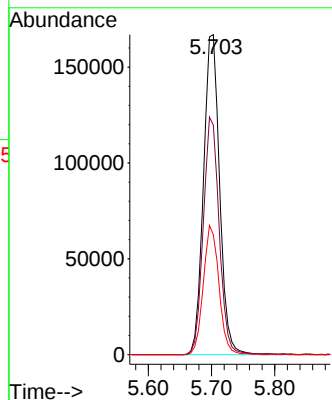
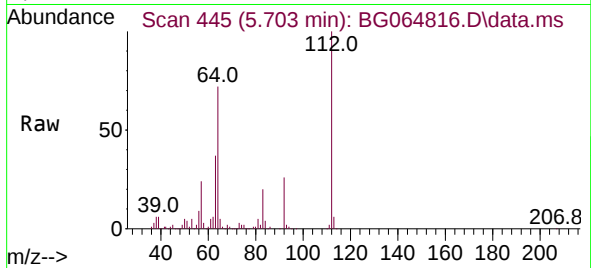




#5
2-Fluorophenol
Concen: 107.639 ng
RT: 5.703 min Scan# 444
Delta R.T. 0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

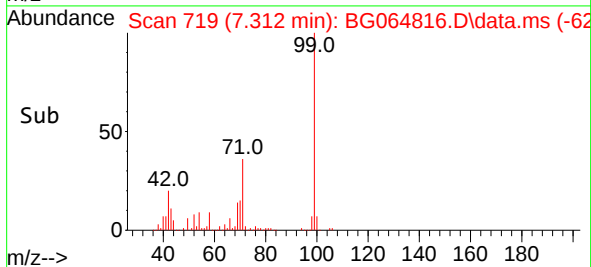
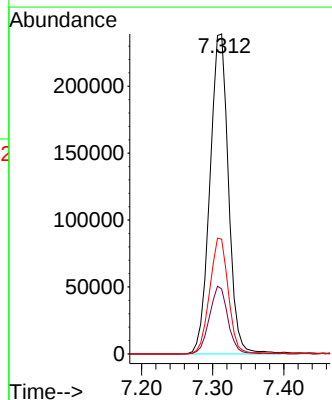
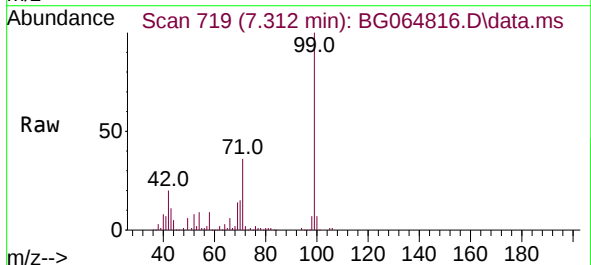
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

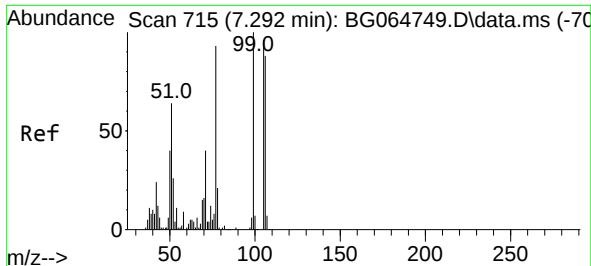
Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	61.0	91.4
63	37.5	33.3	49.9



#7
Phenol-d6
Concen: 118.180 ng
RT: 7.312 min Scan# 719
Delta R.T. 0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

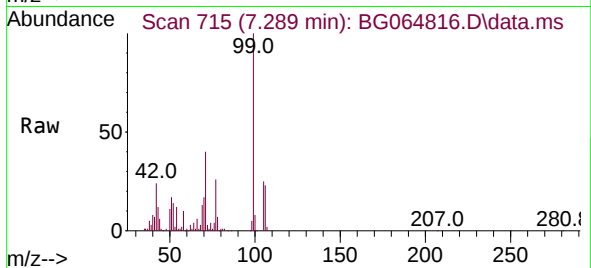
Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.8	25.2
71	35.9	31.1	46.7



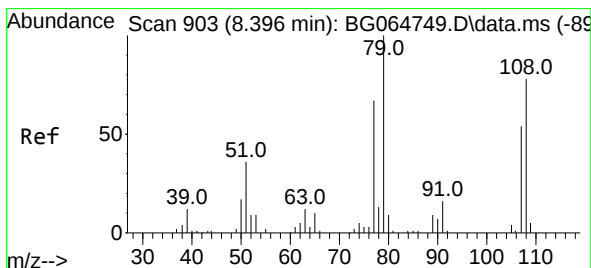
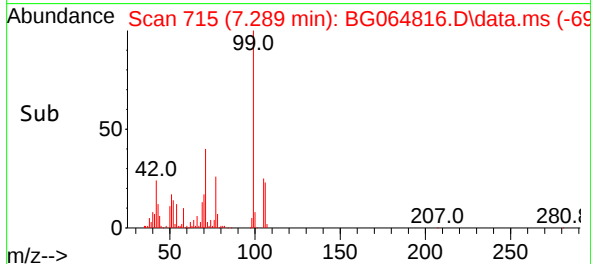
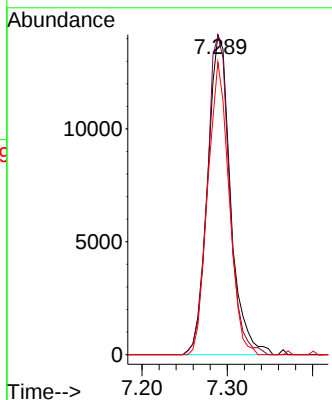


#9
Benzaldehyde
Concen: 11.073 ng
RT: 7.289 min Scan# 715
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Instrument : BNA_G
ClientSampleId : LOQ-WATER-02-QT4-2025

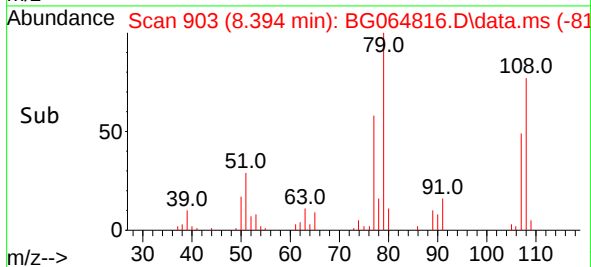
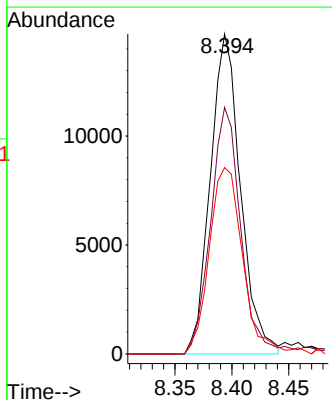
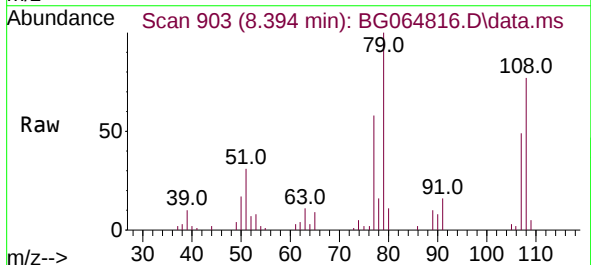


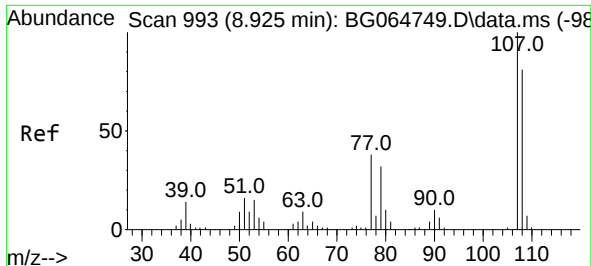
Tgt Ion:	77	Resp:	26535
Ion	Ratio	Lower	Upper
77	100		
105	99.6	83.8	123.8
106	91.4	74.3	114.3



#15
Benzyl Alcohol
Concen: 9.011 ng
RT: 8.394 min Scan# 903
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Tgt Ion:	79	Resp:	27077
Ion	Ratio	Lower	Upper
79	100		
108	77.0	62.3	93.5
77	58.2	53.5	80.3

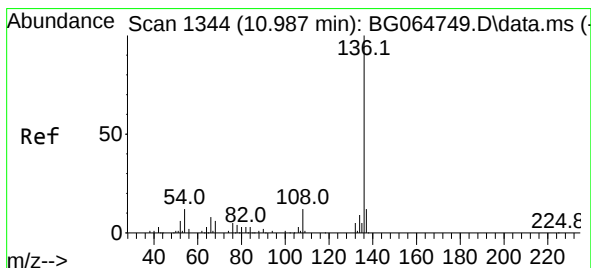
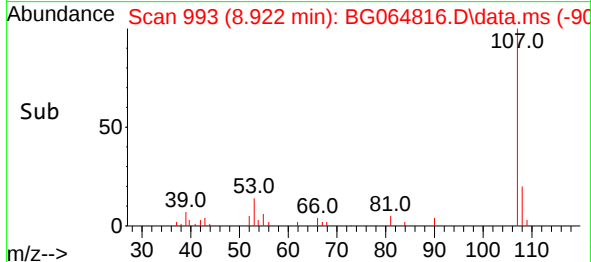
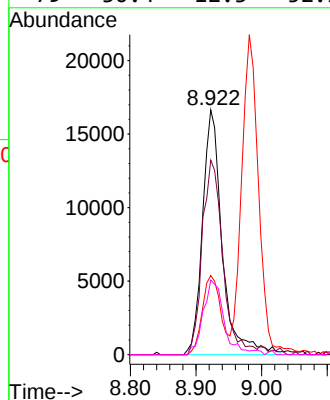
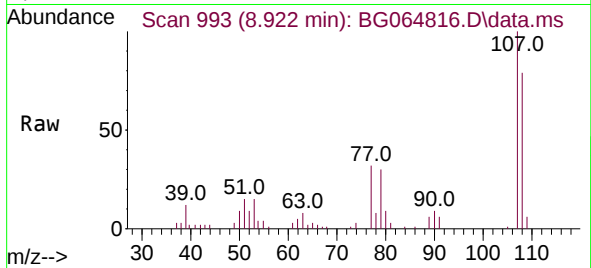




#20
3+4-Methylphenols
Concen: 8.975 ng
RT: 8.922 min Scan# 993
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

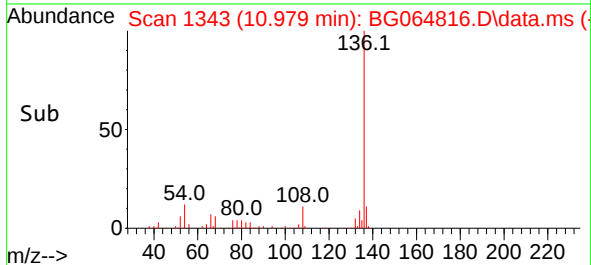
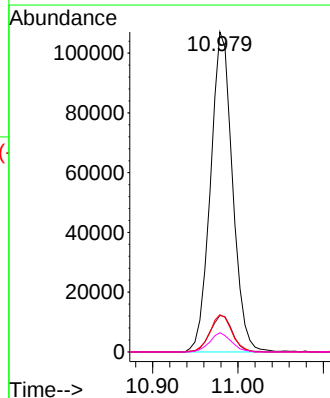
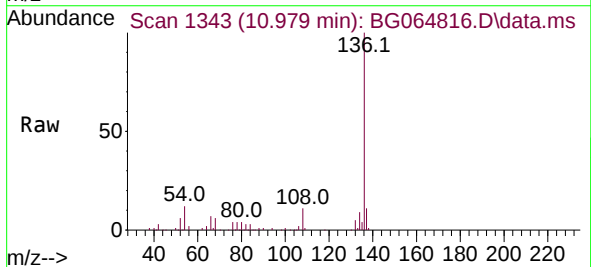
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

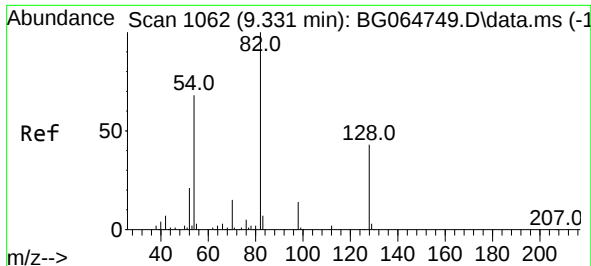
Tgt Ion:107	Resp:	34653
Ion Ratio	Lower	Upper
107	100	
108	79.5	61.0 101.0
77	32.3	17.6 57.6
79	30.4	12.3 52.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Tgt Ion:136	Resp:	191748
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.3 13.9
54	11.6	9.3 13.9
68	6.0	5.0 7.6





#23

Nitrobenzene-d5

Concen: 83.865 ng

RT: 9.328 min Scan# 1062

Delta R.T. -0.003 min

Lab File: BG064816.D

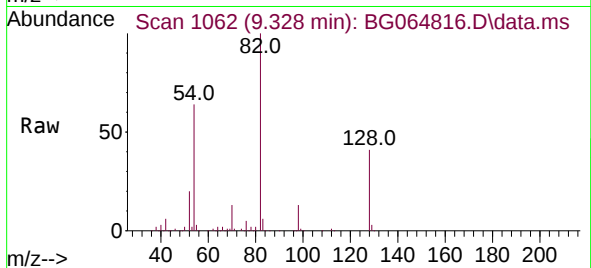
Acq: 19 Nov 2025 15:16

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT4-2025



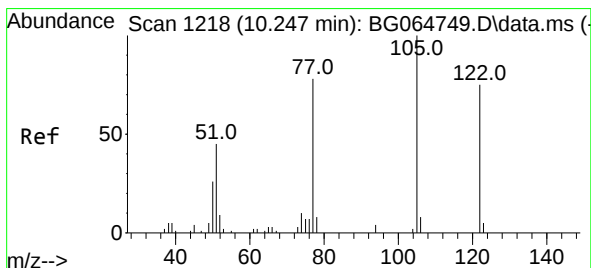
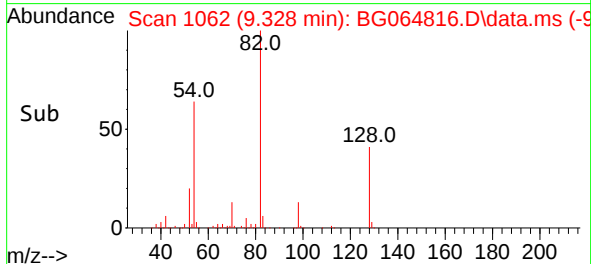
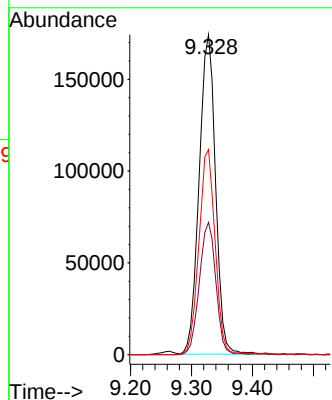
Tgt Ion: 82 Resp: 325242

Ion Ratio Lower Upper

82 100

128 41.3 34.1 51.1

54 64.1 54.3 81.5



#32

Benzoic acid

Concen: 9.248 ng

RT: 10.197 min Scan# 1210

Delta R.T. -0.050 min

Lab File: BG064816.D

Acq: 19 Nov 2025 15:16

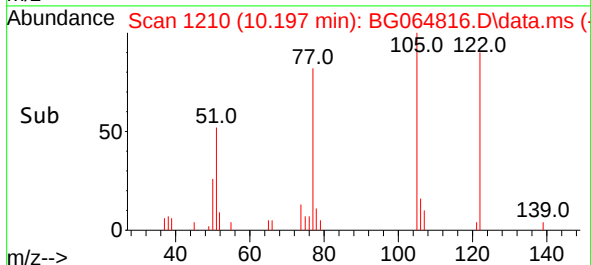
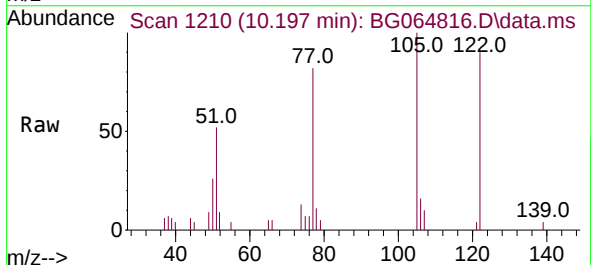
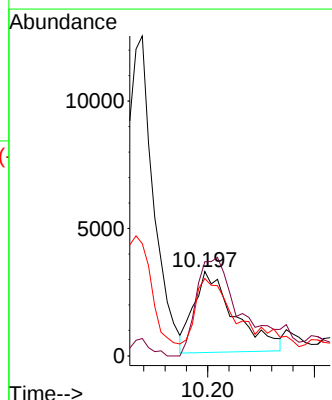
Tgt Ion: 122 Resp: 8479

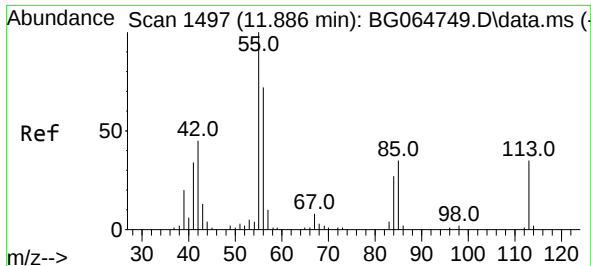
Ion Ratio Lower Upper

122 100

105 111.5 107.6 147.6

77 91.7 82.5 122.5

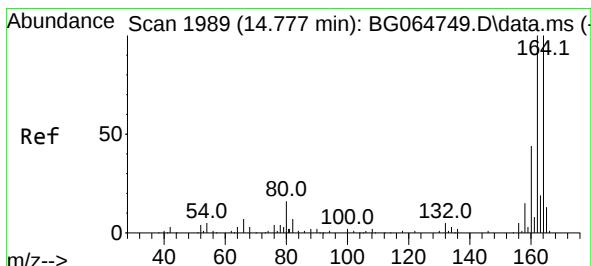
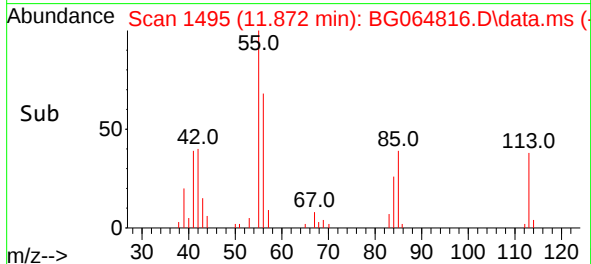
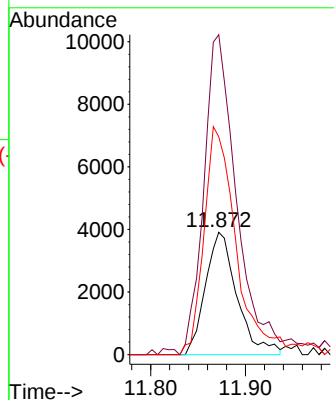
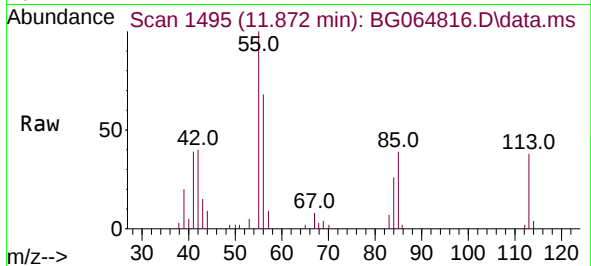




#35
Caprolactam
Concen: 8.970 ng
RT: 11.872 min Scan# 1497
Delta R.T. -0.015 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

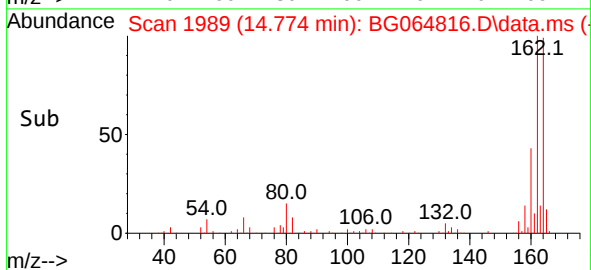
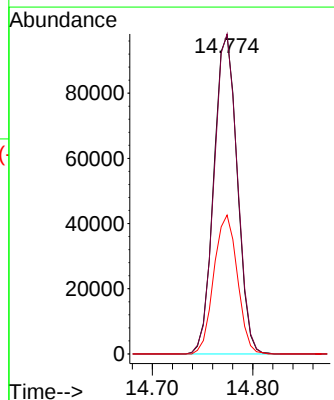
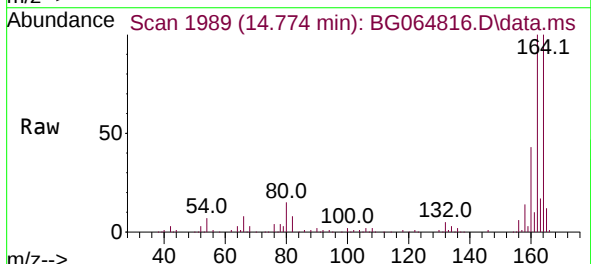
Instrument :
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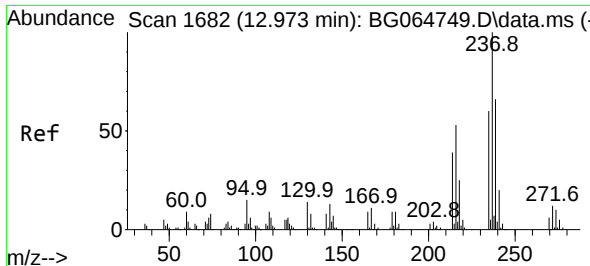
Tgt Ion:113 Resp: 9019
Ion Ratio Lower Upper
113 100
55 261.7 263.7 303.7#
56 178.2 184.0 224.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

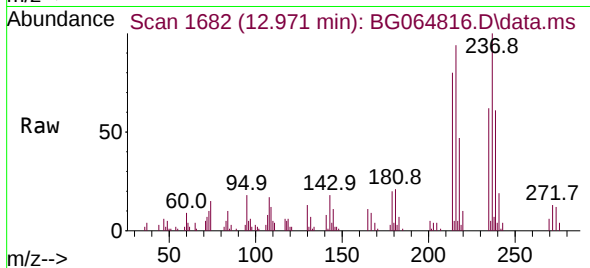
Tgt Ion:164 Resp: 158257
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.6
160 43.6 34.9 52.3



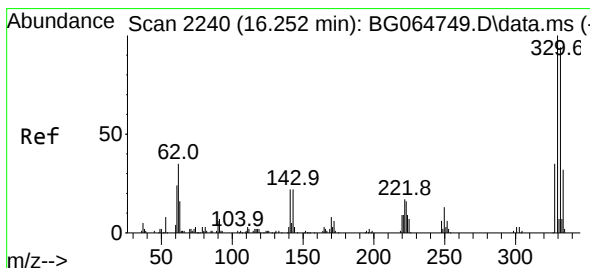
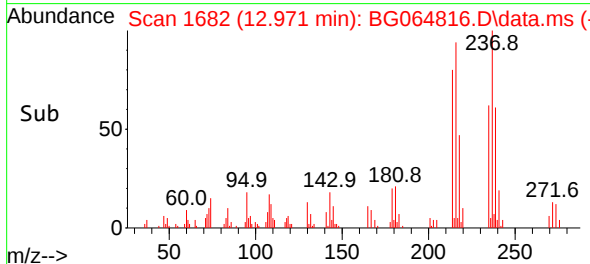
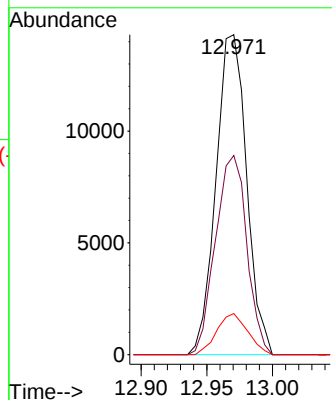


#41
Hexachlorocyclopentadiene
Concen: 5.272 ng
RT: 12.971 min Scan# 1682
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

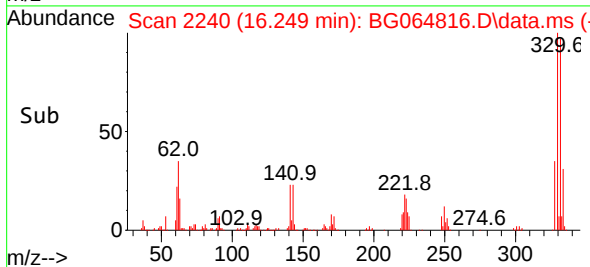
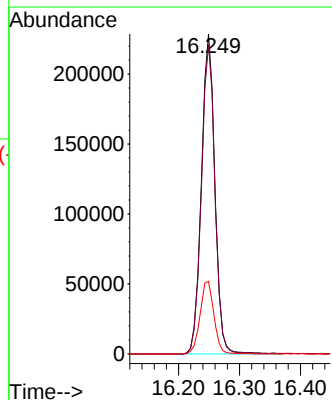
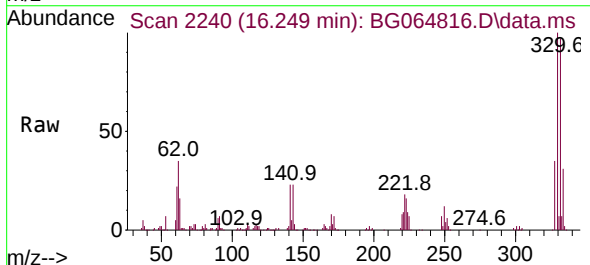


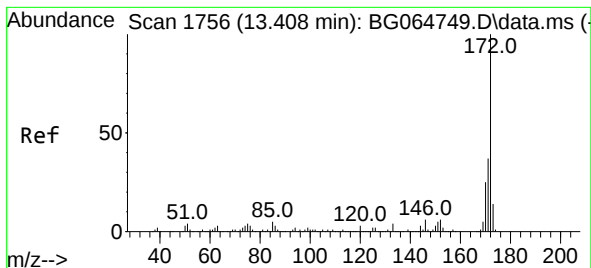
Tgt Ion:237 Resp: 23274
Ion Ratio Lower Upper
237 100
235 62.2 40.2 80.2
272 12.8 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 113.873 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Tgt Ion:330 Resp: 351470
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 23.3 18.2 27.2





#45

2-Fluorobiphenyl

Concen: 80.326 ng

RT: 13.405 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG064816.D

Acq: 19 Nov 2025 15:16

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT4-2025

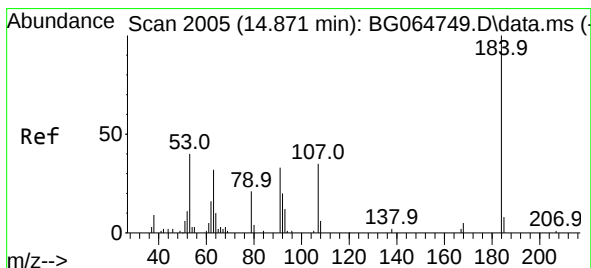
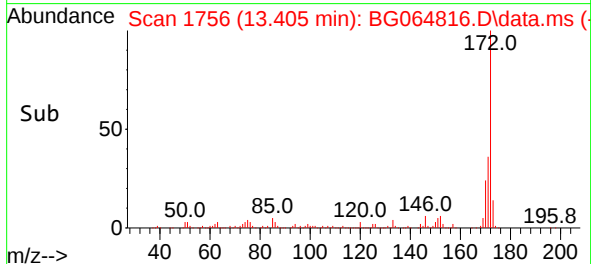
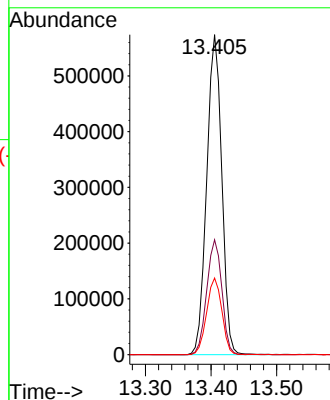
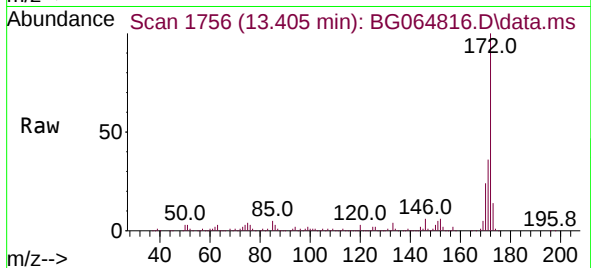
Tgt Ion:172 Resp: 911047

Ion Ratio Lower Upper

172 100

171 35.9 29.9 44.9

170 23.9 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 12.450 ng

RT: 14.868 min Scan# 2005

Delta R.T. -0.003 min

Lab File: BG064816.D

Acq: 19 Nov 2025 15:16

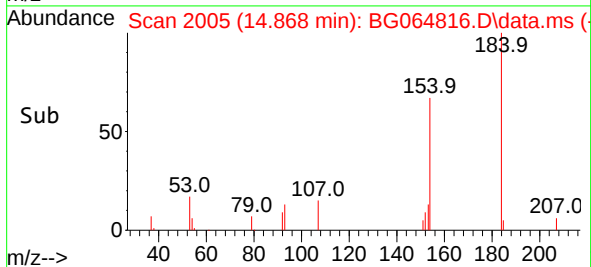
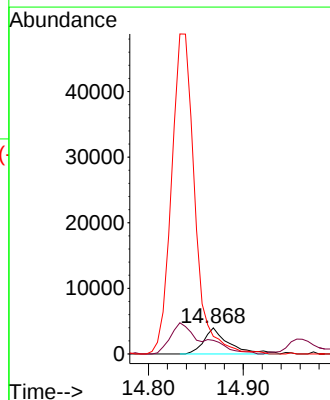
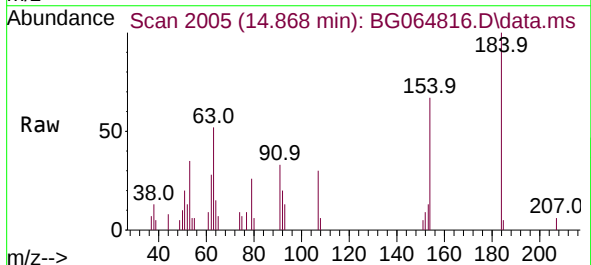
Tgt Ion:184 Resp: 7136

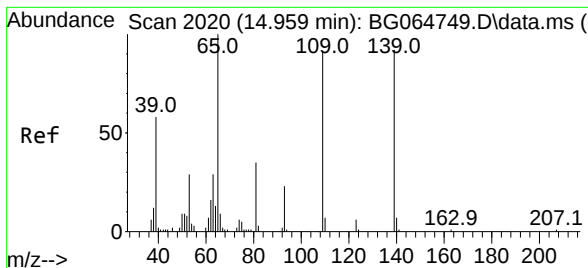
Ion Ratio Lower Upper

184 100

63 49.3 45.8 68.6

154 64.0 52.6 78.8

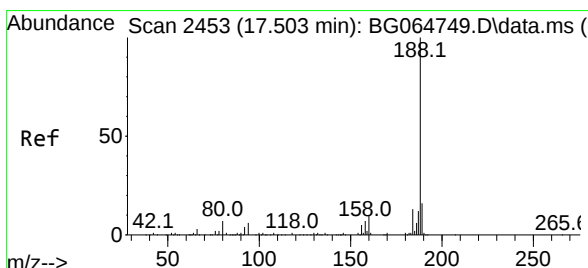
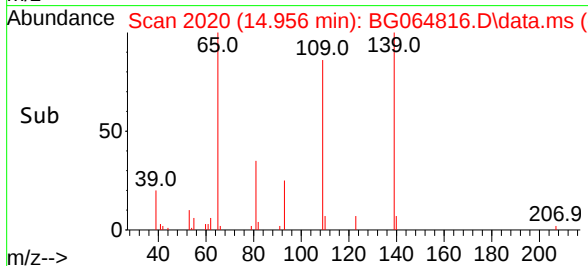
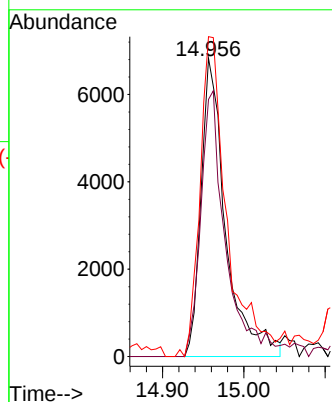
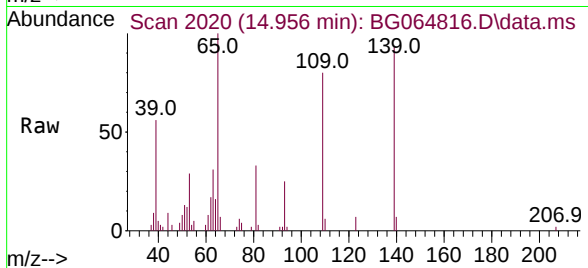




#56
4-Nitrophenol
Concen: 7.672 ng
RT: 14.956 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

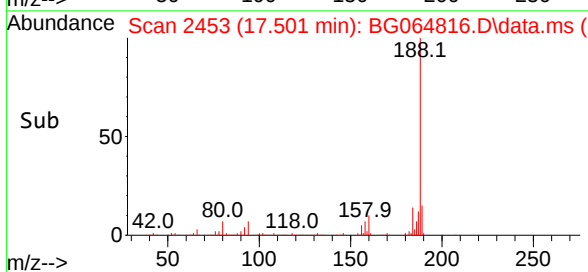
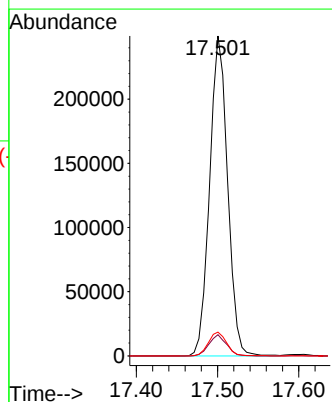
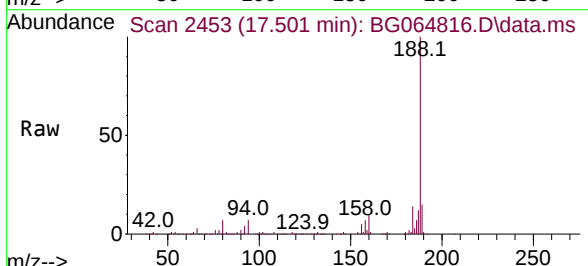
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

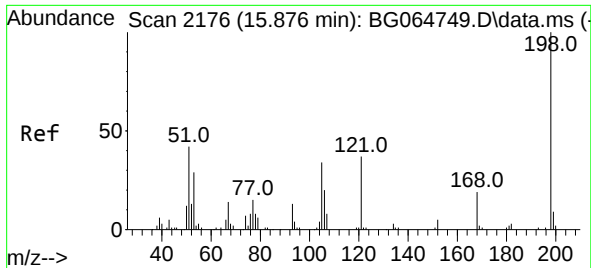
Tgt Ion:139	Resp:	14451
Ion Ratio	Lower	Upper
139	100	
109	86.2	79.7 119.7
65	107.3	89.9 129.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Tgt Ion:188	Resp:	383595
Ion Ratio	Lower	Upper
188	100	
94	6.6	4.7 7.1
80	7.4	5.4 8.2

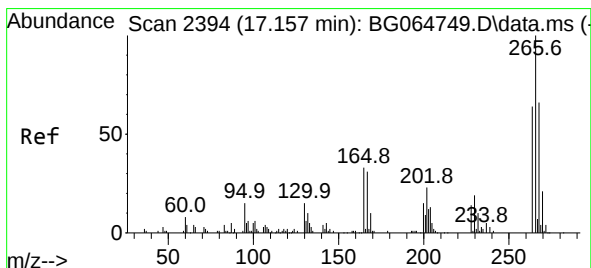
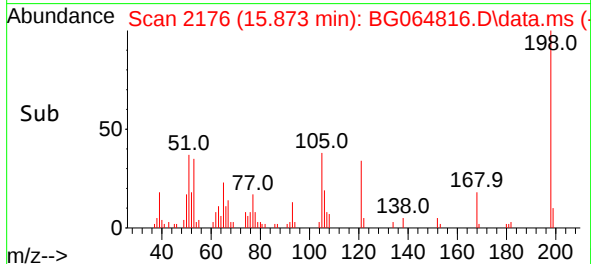
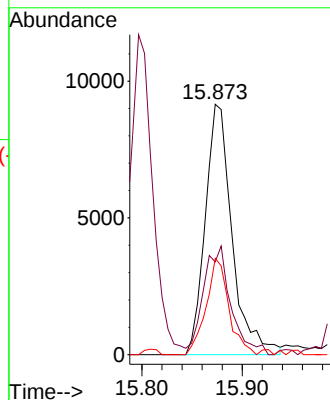
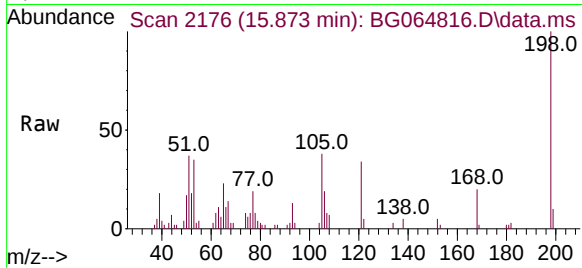




#65
4,6-Dinitro-2-methylphenol
Concen: 7.981 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

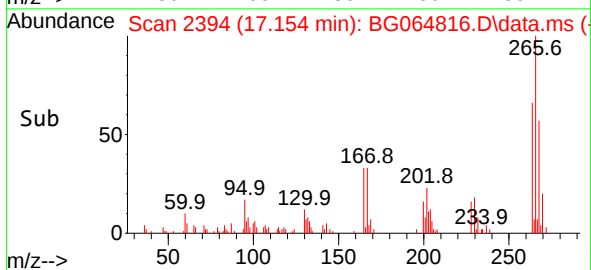
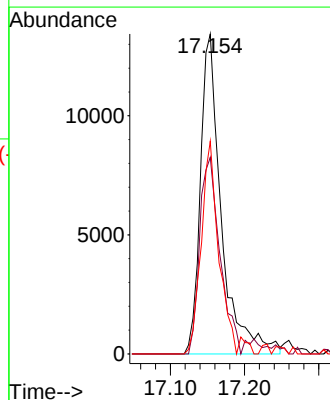
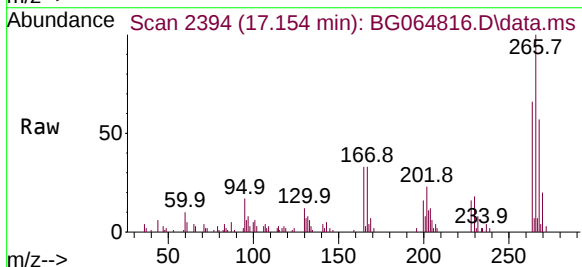
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

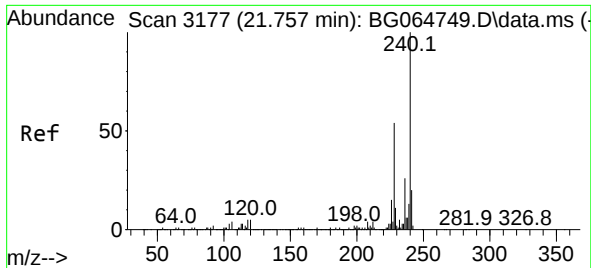
Tgt Ion:198 Resp: 16998
Ion Ratio Lower Upper
198 100
51 37.0 25.2 65.2
105 38.4 14.2 54.2



#70
Pentachlorophenol
Concen: 12.882 ng
RT: 17.154 min Scan# 2394
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Tgt Ion:266 Resp: 26364
Ion Ratio Lower Upper
266 100
268 61.4 56.1 84.1
264 66.5 51.2 76.8

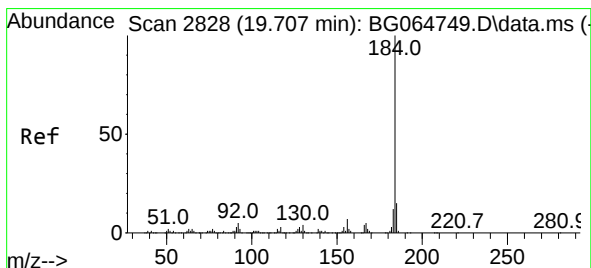
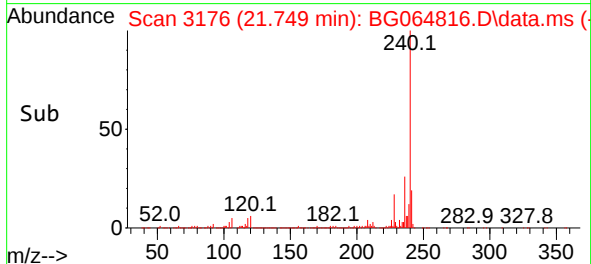
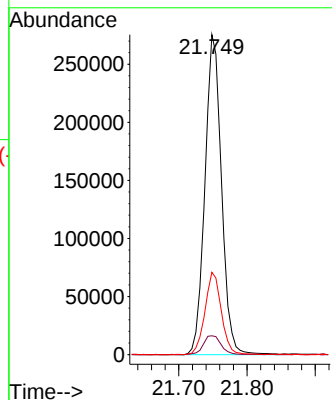
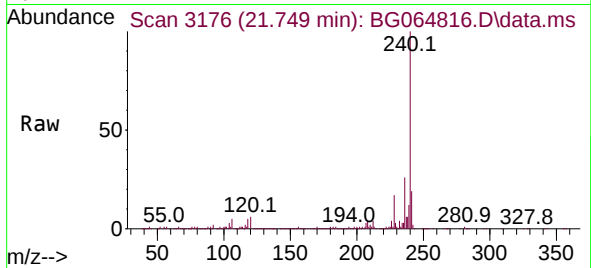




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

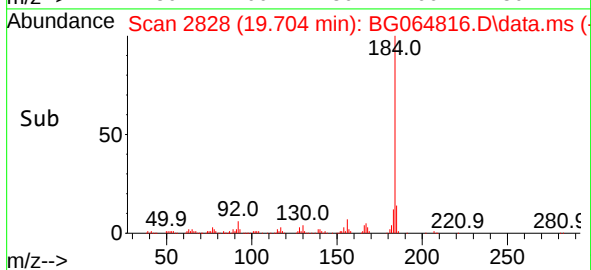
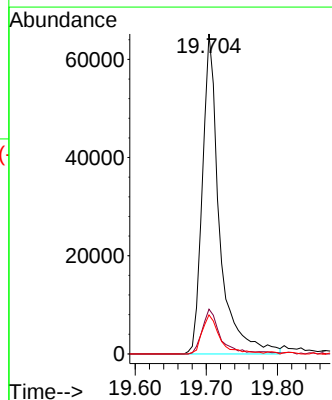
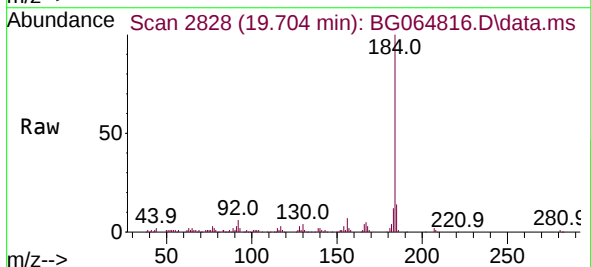
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

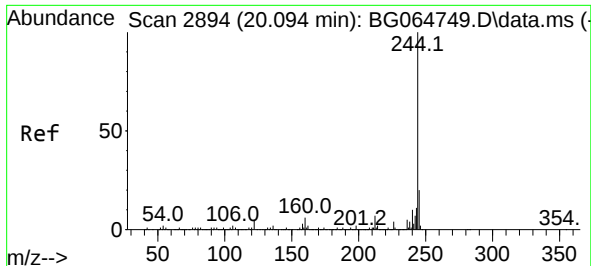
Tgt Ion:240 Resp: 464871
Ion Ratio Lower Upper
240 100
120 5.9 4.2 6.4
236 25.7 20.8 31.2



#77
Benzidine
Concen: 7.795 ng
RT: 19.704 min Scan# 2828
Delta R.T. -0.003 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Tgt Ion:184 Resp: 108517
Ion Ratio Lower Upper
184 100
185 14.0 11.8 17.6
183 12.2 9.8 14.6

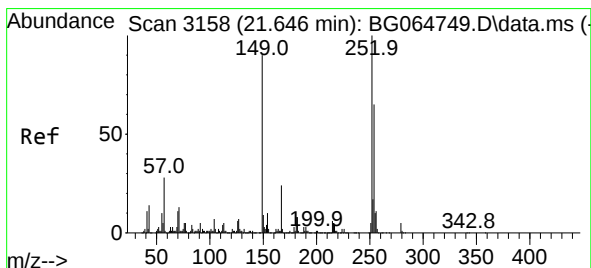
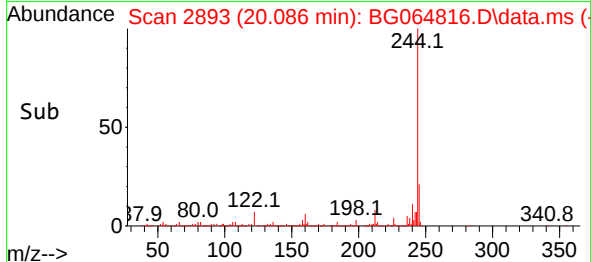
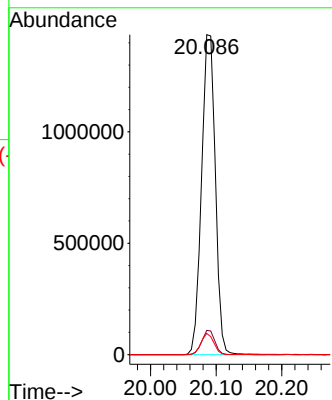
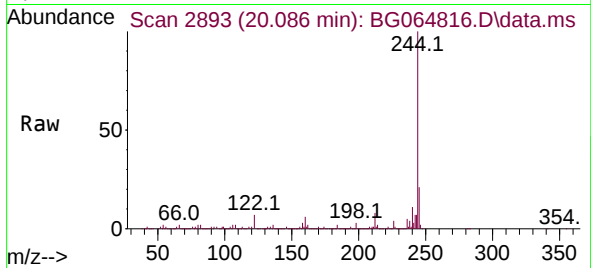




#79
 Terphenyl-d14
 Concen: 88.114 ng
 RT: 20.086 min Scan# 2893
 Delta R.T. -0.009 min
 Lab File: BG064816.D
 Acq: 19 Nov 2025 15:16

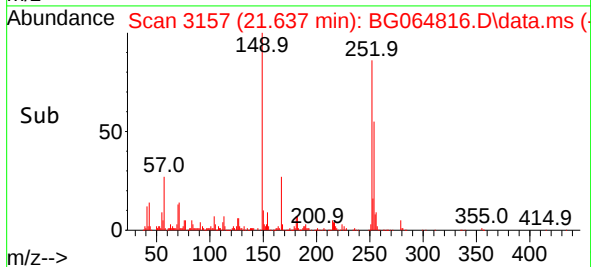
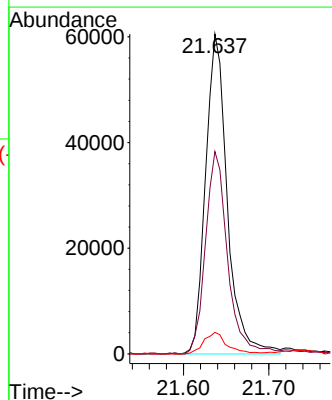
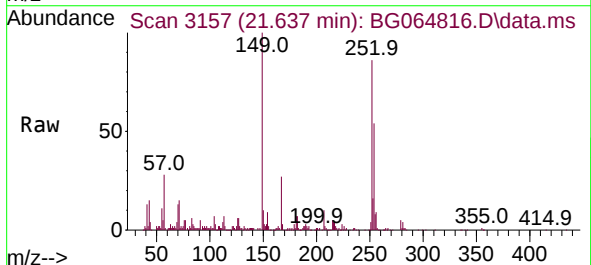
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

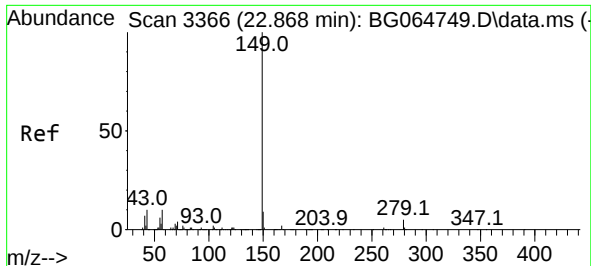
Tgt Ion:244 Resp: 2082339
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.6
 122 6.6 4.3 6.5#



#82
 3,3'-Dichlorobenzidine
 Concen: 9.213 ng
 RT: 21.637 min Scan# 3157
 Delta R.T. -0.009 min
 Lab File: BG064816.D
 Acq: 19 Nov 2025 15:16

Tgt Ion:252 Resp: 107183
 Ion Ratio Lower Upper
 252 100
 254 63.2 51.8 77.8
 126 6.8 4.7 7.1

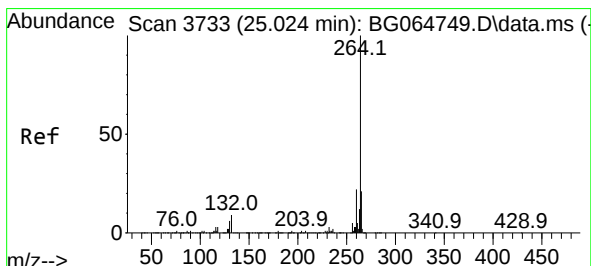
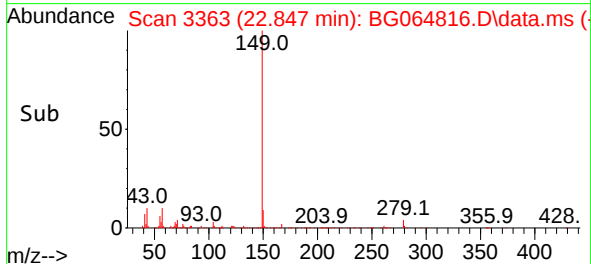
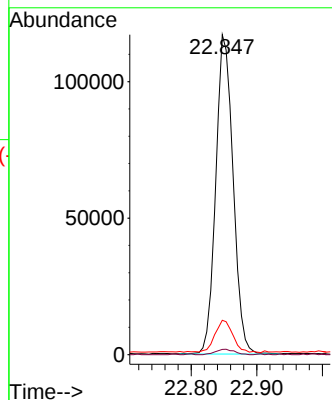
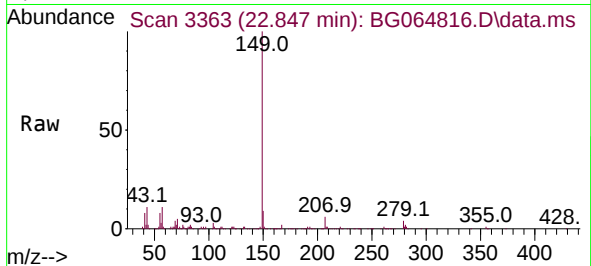




#85
Di-n-octyl phthalate
Concen: 9.313 ng
RT: 22.847 min Scan# 3366
Delta R.T. -0.020 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Instrument : BNA_G
ClientSampleId : LOQ-WATER-02-QT4-2025

Tgt Ion:149 Resp: 215568
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8#
43 10.5 8.3 12.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.015 min
Lab File: BG064816.D
Acq: 19 Nov 2025 15:16

Tgt Ion:264 Resp: 441421
Ion Ratio Lower Upper
264 100
260 23.4 17.2 25.8
265 20.8 16.6 25.0

