

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091625\
 Data File : BG064401.D
 Acq On : 17 Sep 2025 2:17
 Operator : RC/JU
 Sample : Q3084-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 04:02:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 11:06:20 2025
 Response via : Initial Calibration

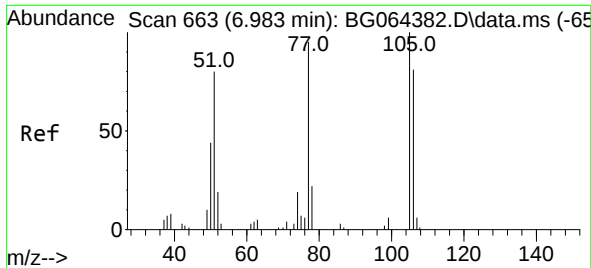
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	18536	20.000	ng/ul	# 0.02
20) Naphthalene-d8	10.688	136	82295	20.000	ng/ul	# 0.05
38) Acenaphthene-d10	14.466	164	56648	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.209	188	128159	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.434	240	145408	20.000	ng/ul	0.00
88) Perylene-d12	24.436	264	163563	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.314	96	2055	5.824	ng/uL	0.00
4) Pyridine-d5	3.725	84	15371	14.931	ng/ul	0.00
7) Phenol-d5	7.015	99	14308	9.444	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.180	67	31084	39.315	ng/ul	0.00
11) 2-Chlorophenol-d4	7.380	132	40289	33.249	ng/ul	0.00
15) 4-Methylphenol-d8	8.549	113	28114	20.395	ng/ul	0.00
21) Nitrobenzene-d5	9.001	128	28875	44.716	ng/ul	0.00
24) 2-Nitrophenol-d4	9.771	143	403	0.512	ng/ul	0.05
28) 2,4-Dichlorophenol-d3	10.270	165	55128	37.639	ng/ul	0.01
31) 4-Chloroaniline-d4	10.840	131	187	0.094	ng/ul	0.08
46) Dimethylphthalate-d6	13.878	166	214743	42.535	ng/ul	0.00
49) Acenaphthylene-d8	14.160	160	211823	43.425	ng/ul	0.00
54) 4-Nitrophenol-d4	14.671	143	7769	9.821	ng/ul	0.00
60) Fluorene-d10	15.459	176	181394	44.284	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.576	200	42541	46.536	ng/ul	0.00
73) Anthracene-d10	17.303	188	307323	48.071	ng/ul	0.00
81) Pyrene-d10	19.595	212	379022	46.277	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.236	264	411134	48.771	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.998	77	28081	39.855	ng/ul#	1
12) 2-Chlorophenol	7.415	128	3433	2.725	ng/ul#	87
13) 2-Methylphenol	8.285	108	8667	6.731	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.426	45	2091	1.048	ng/ul#	82
16) Acetophenone	8.649	105	45068	20.565	ng/ul#	33
18) 4-Methylphenol	8.608	108	10793	7.794	ng/ul	82
19) Hexachloroethane	8.948	117	29879	53.800	ng/ul#	1
30) Naphthalene	10.729	128	626738	139.895	ng/ul	98
32) 4-Chloroaniline	10.729	127	85851	43.990	ng/ul#	23
36) 2-Methylnaphthalene	12.297	142	12330	3.615	ng/ul	86
37) 1-Methylnaphthalene	12.509	142	6521	1.924	ng/ul#	91
39) 1,2,4,5-Tetrachloroben...	12.662	216	17138	9.547	ng/ul#	96
42) 2,4,5-Trichlorophenol	12.973	196	25960	21.102	ng/ul	96
48) 2,6-Dinitrotoluene	14.001	165	1555	1.733	ng/ul#	50
66) 4,6-Dinitro-2-methylph...	15.611	198	2022	2.176	ng/ul#	76
75) 1,2,3,4-Tetrachloroben...	13.267	216	11175	6.435	ng/ul	92

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

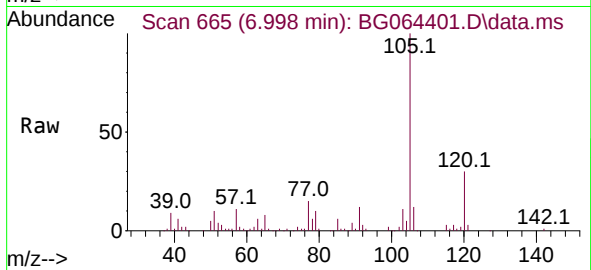
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 12 11:06:20 2025
Response via : Initial Calibration



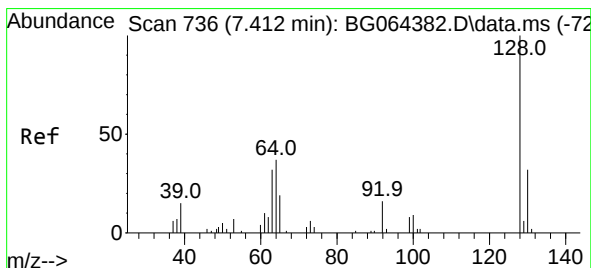
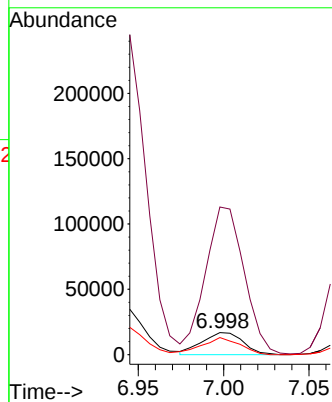
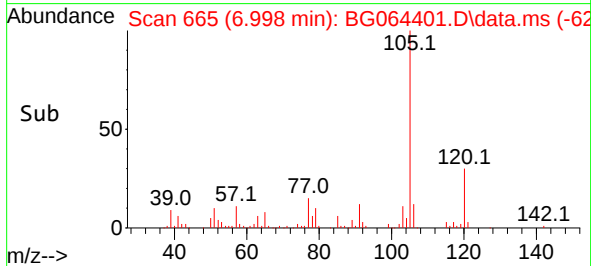


#6
Benzaldehyde
Concen: 39.855 ng/ul
RT: 6.998 min Scan# 663
Delta R.T. 0.013 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

Instrument :
BNA_G
ClientSampleId :

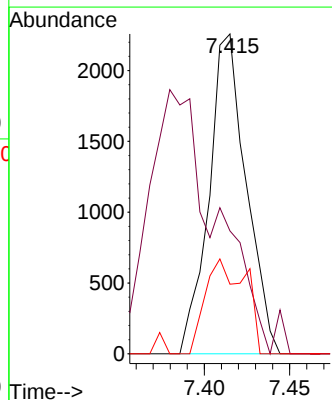
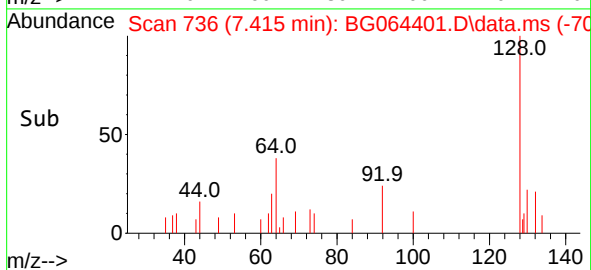
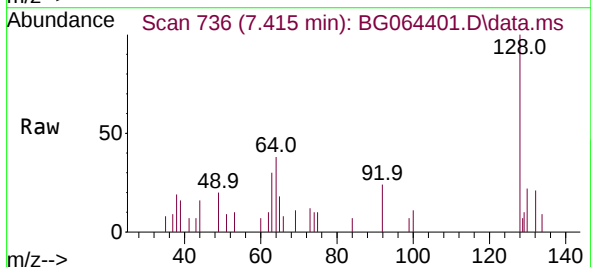


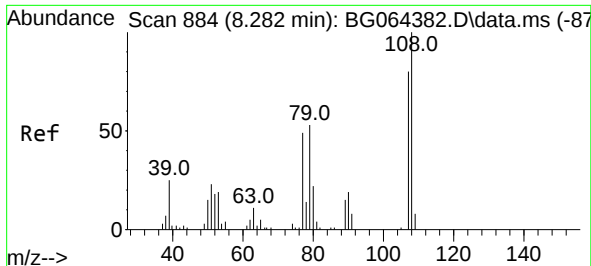
Tgt Ion: 77 Resp: 28081
Ion Ratio Lower Upper
77 100
105 669.7 80.2 120.4#
106 77.6 74.9 112.3



#12
2-Chlorophenol
Concen: 2.725 ng/ul
RT: 7.415 min Scan# 736
Delta R.T. 0.001 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

Tgt Ion:128 Resp: 3433
Ion Ratio Lower Upper
128 100
64 36.0 35.0 52.6
130 20.4 22.1 33.1#





#13

2-Methylphenol

Concen: 6.731 ng/ul

RT: 8.285 min Scan# 884

Delta R.T. -0.005 min

Lab File: BG064401.D

Acq: 17 Sep 2025 2:17

Instrument :

BNA_G

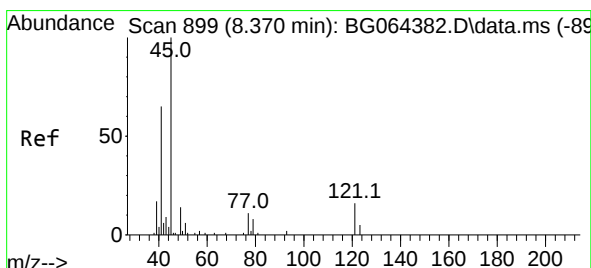
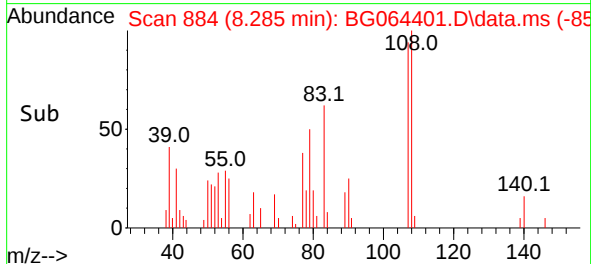
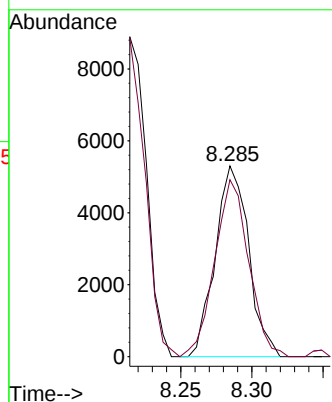
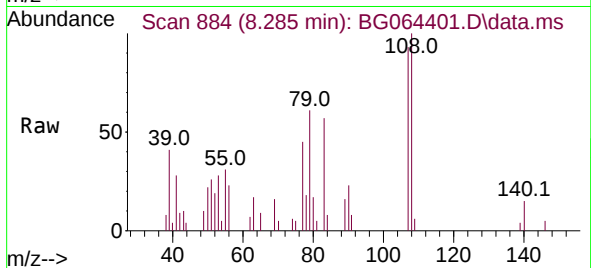
ClientSampleId :

Tgt Ion:108 Resp: 8667

Ion Ratio Lower Upper

108 100

107 92.8 73.4 110.0



#14

2,2'-oxybis(1-Chloropropane)

Concen: 1.048 ng/ul

RT: 8.426 min Scan# 908

Delta R.T. 0.060 min

Lab File: BG064401.D

Acq: 17 Sep 2025 2:17

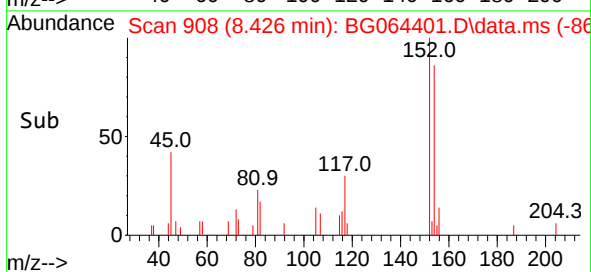
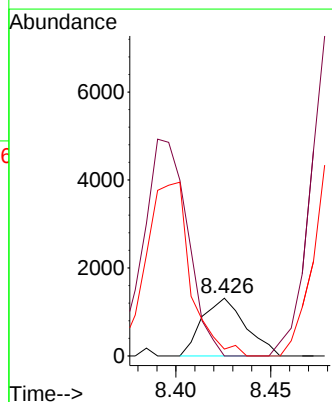
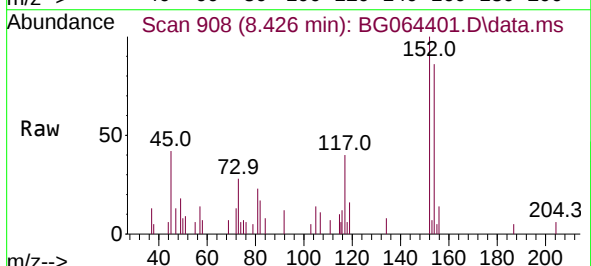
Tgt Ion: 45 Resp: 2091

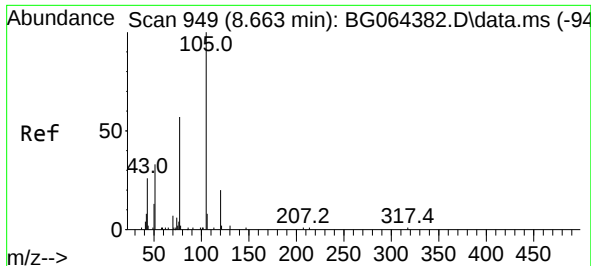
Ion Ratio Lower Upper

45 100

77 0.0 7.3 10.9#

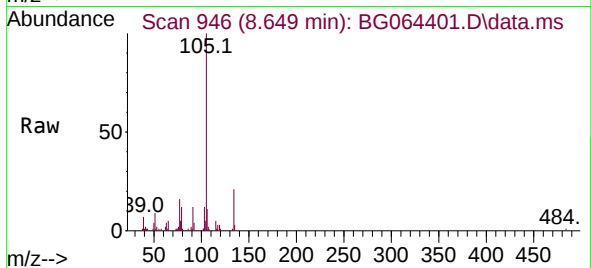
79 11.7 6.6 9.8#



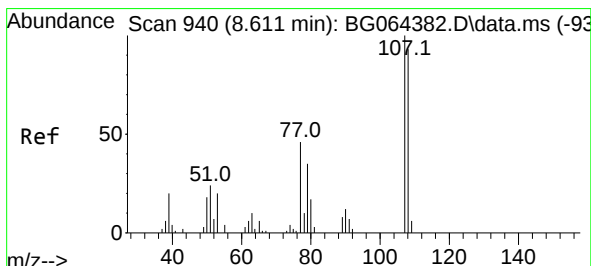
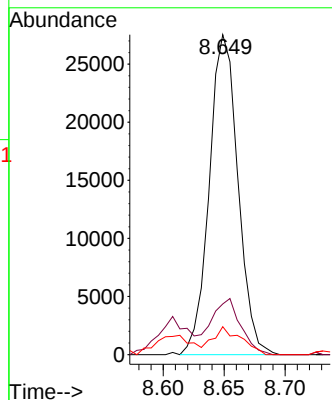
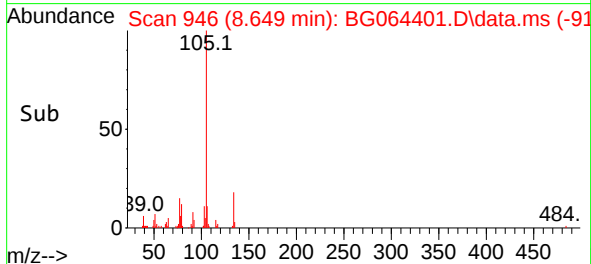


#16
Acetophenone
Concen: 20.565 ng/ul
RT: 8.649 min Scan# 949
Delta R.T. -0.011 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

Instrument :
BNA_G
ClientSampleId :

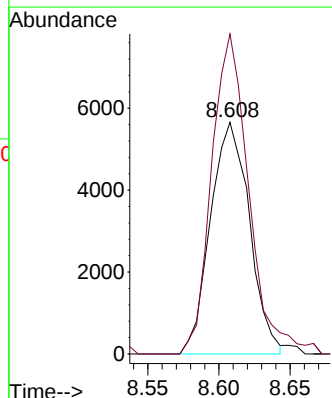
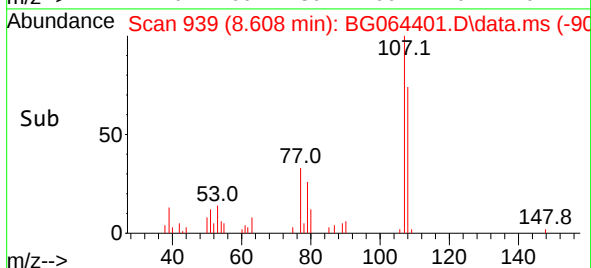
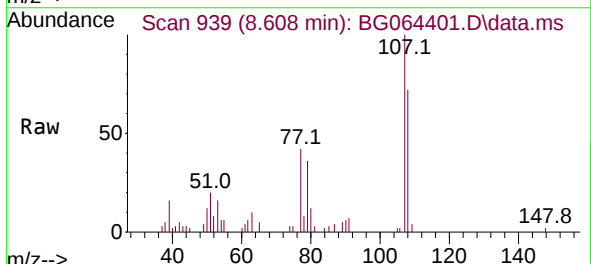


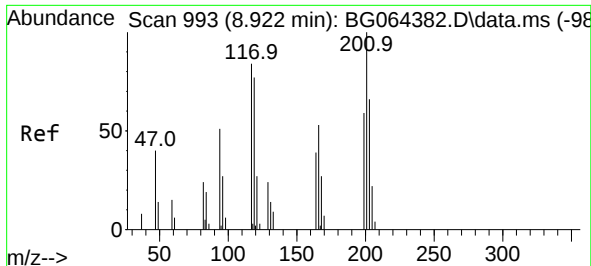
Tgt Ion:105 Resp: 45068
Ion Ratio Lower Upper
105 100
77 15.8 62.6 94.0#
51 8.7 39.4 59.0#



#18
4-Methylphenol
Concen: 7.794 ng/ul
RT: 8.608 min Scan# 939
Delta R.T. -0.005 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

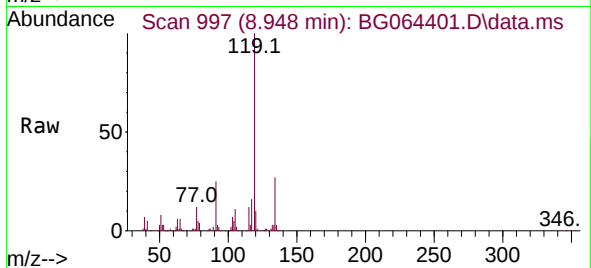
Tgt Ion:108 Resp: 10793
Ion Ratio Lower Upper
108 100
107 138.1 95.0 142.6



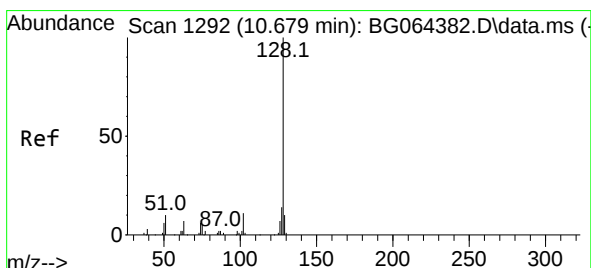
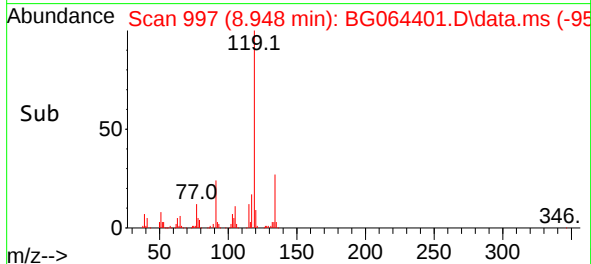
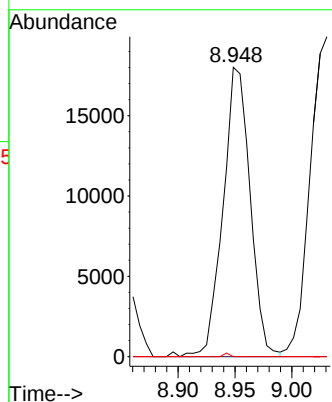


#19
Hexachloroethane
Concen: 53.800 ng/ul
RT: 8.948 min Scan# 997
Delta R.T. 0.024 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

Instrument :
BNA_G
ClientSampleId :

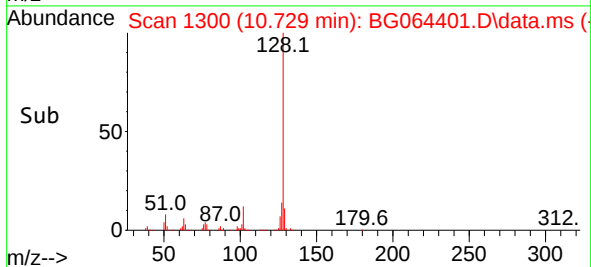
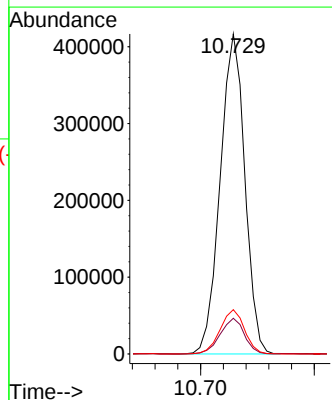
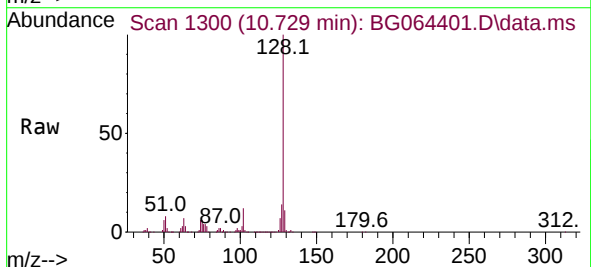


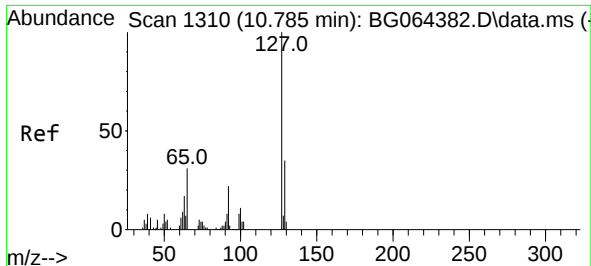
Tgt Ion:117 Resp: 29879
Ion Ratio Lower Upper
117 100
201 0.0 96.8 145.2#
199 0.0 62.4 93.6#



#30
Naphthalene
Concen: 139.895 ng/ul
RT: 10.729 min Scan# 1300
Delta R.T. 0.048 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

Tgt Ion:128 Resp: 626738
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.8 10.1 15.1

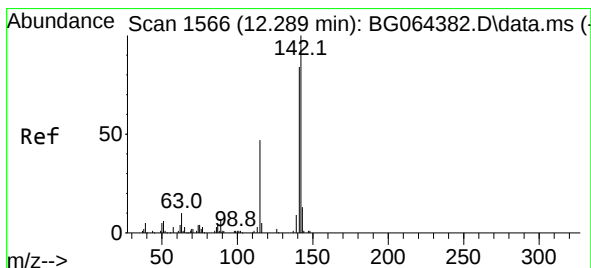
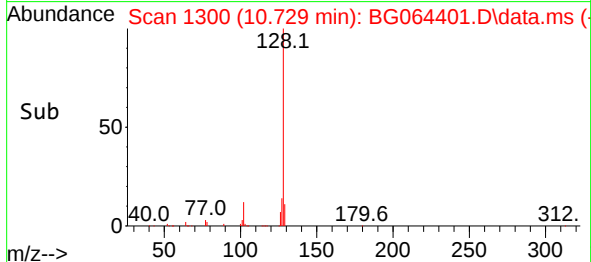
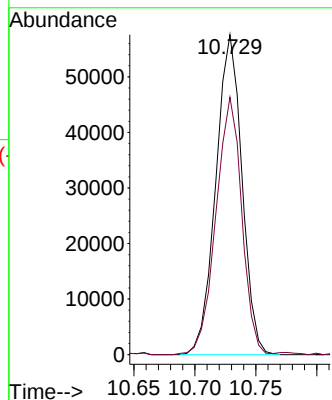
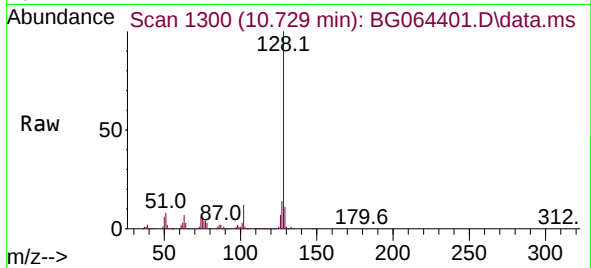




#32
4-Chloroaniline
Concen: 43.990 ng/ul
RT: 10.729 min Scan# 1310
Delta R.T. -0.058 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

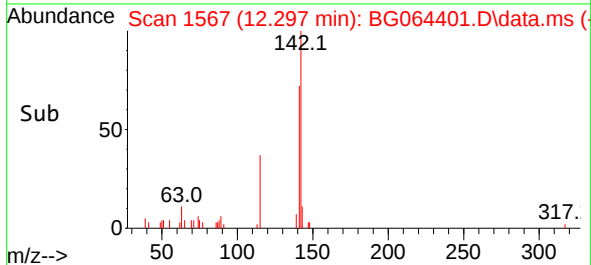
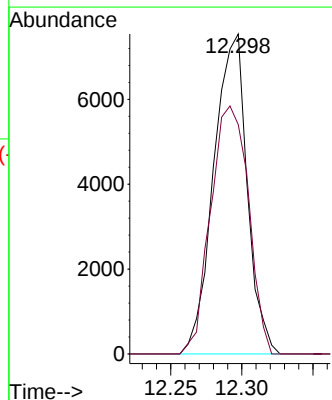
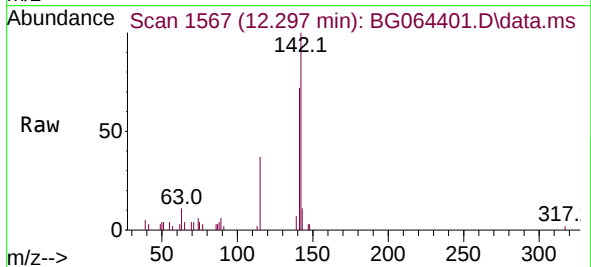
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ClientSampleId :

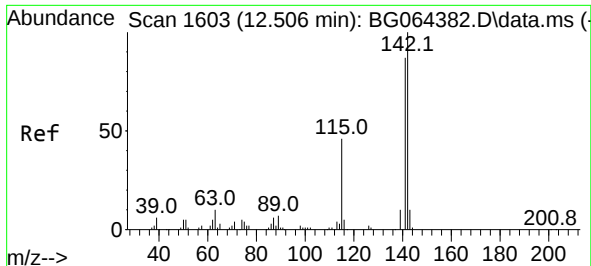
Tgt Ion:127 Resp: 85851
Ion Ratio Lower Upper
127 100
129 80.4 28.4 42.6#



#36
2-Methylnaphthalene
Concen: 3.615 ng/ul
RT: 12.297 min Scan# 1567
Delta R.T. 0.001 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

Tgt Ion:142 Resp: 12330
Ion Ratio Lower Upper
142 100
141 71.6 67.2 100.8





#37

1-Methylnaphthalene

Concen: 1.924 ng/ul

RT: 12.509 min Scan# 1603

Delta R.T. -0.005 min

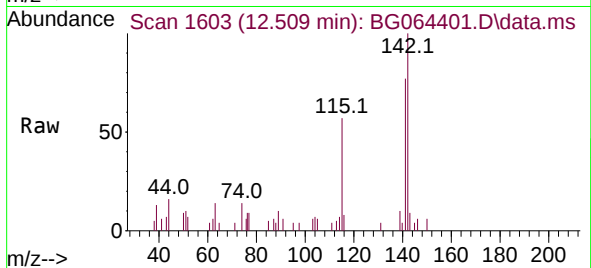
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Acq: 17 Sep 2025 2:17

Instrument :

BNA_G

ClientSampleId :



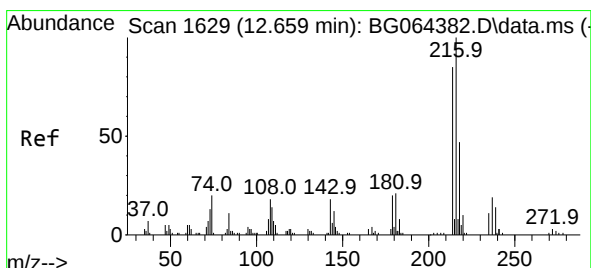
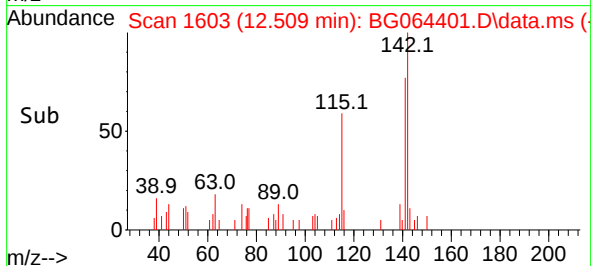
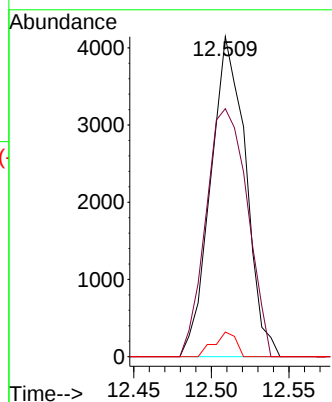
Tgt Ion:142 Resp: 6521

Ion Ratio Lower Upper

142 100

141 77.5 68.6 103.0

116 7.7 4.2 6.4#



#39

1,2,4,5-Tetrachlorobenzene

Concen: 9.547 ng/ul

RT: 12.662 min Scan# 1629

Delta R.T. 0.001 min

Lab File: BG064401.D

Acq: 17 Sep 2025 2:17

Tgt Ion:216 Resp: 17138

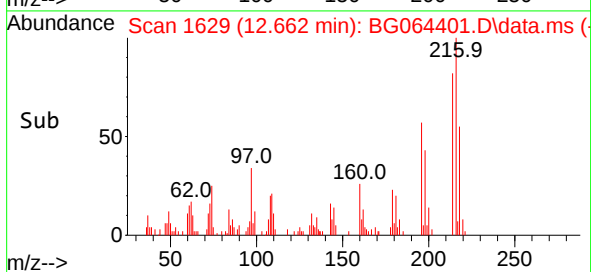
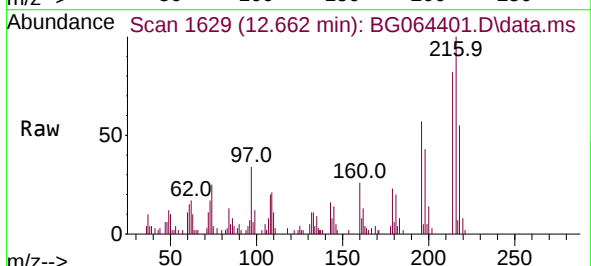
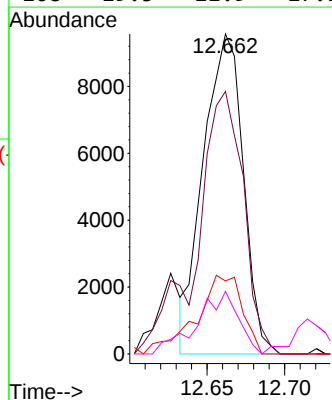
Ion Ratio Lower Upper

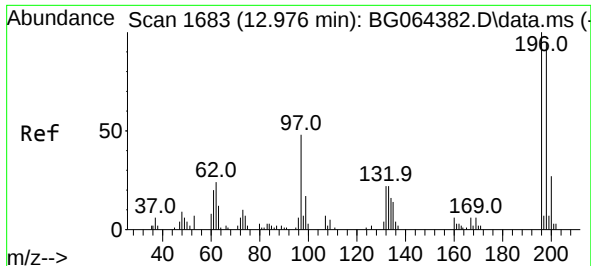
216 100

214 82.0 64.4 96.6

179 22.8 16.4 24.6

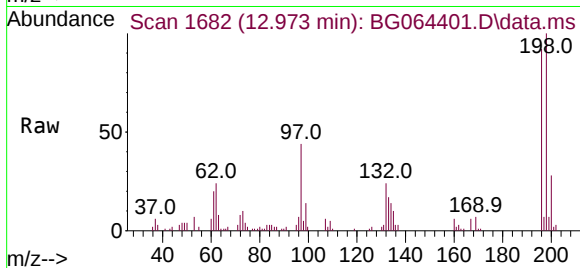
108 19.5 11.9 17.9#



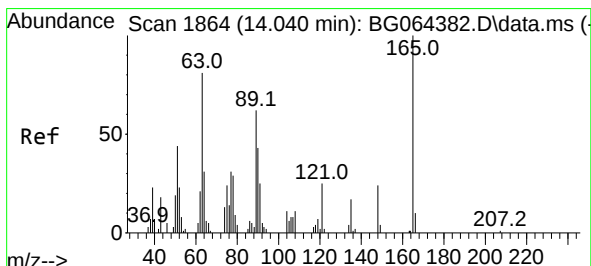
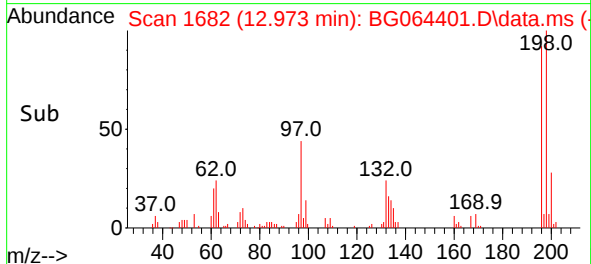
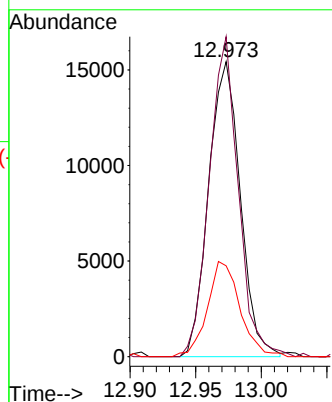


#42
2,4,5-Trichlorophenol
Concen: 21.102 ng/ul
RT: 12.973 min Scan# 1682
Delta R.T. -0.005 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

Instrument :
BNA_G
ClientSampleId :

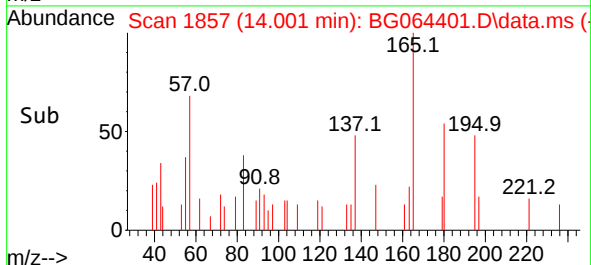
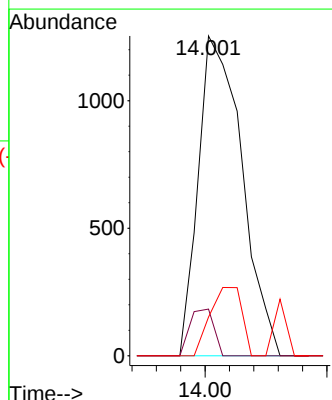
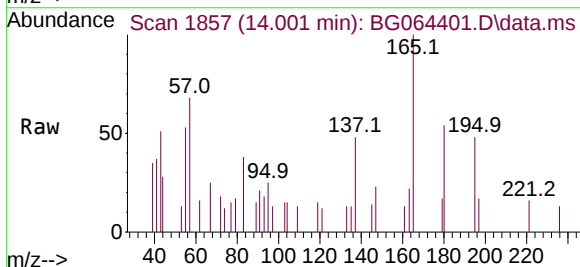


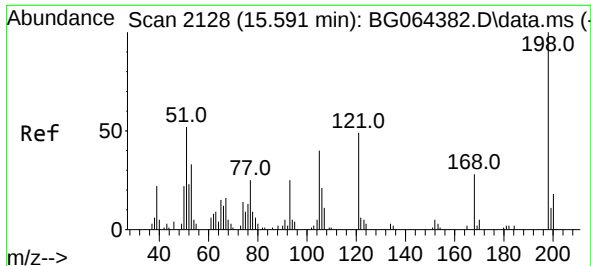
Tgt Ion:196 Resp: 25960
Ion Ratio Lower Upper
196 100
198 108.5 85.4 128.0
200 30.8 30.5 45.7



#48
2,6-Dinitrotoluene
Concen: 1.733 ng/ul
RT: 14.001 min Scan# 1857
Delta R.T. -0.040 min
Lab File: BG064401.D
Acq: 17 Sep 2025 2:17

Tgt Ion:165 Resp: 1555
Ion Ratio Lower Upper
165 100
89 14.6 48.6 72.8#
121 12.1 16.3 24.5#

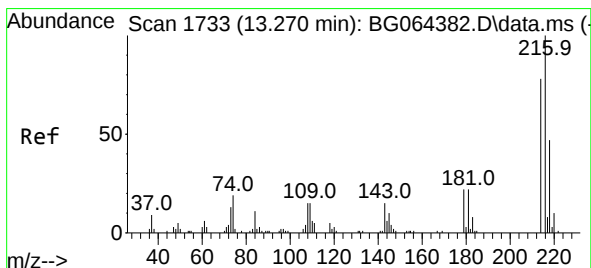
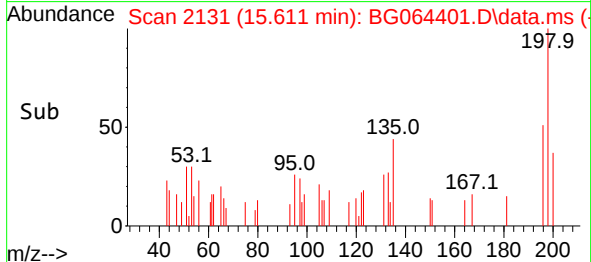
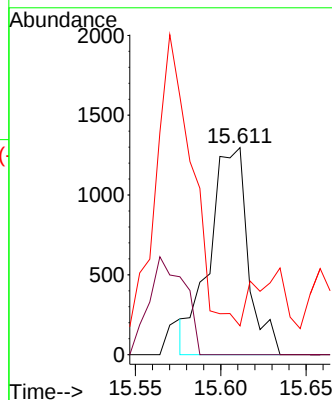
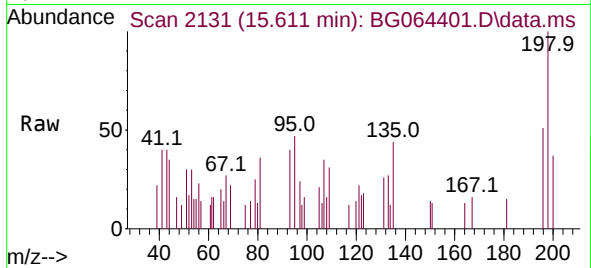




#66
 4,6-Dinitro-2-methylphenol
 Concen: 2.176 ng/ul
 RT: 15.611 min Scan# 2128
 Delta R.T. 0.013 min
 Lab File: BG064401.D
 Acq: 17 Sep 2025 2:17

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:198 Resp: 2022
 Ion Ratio Lower Upper
 198 100
 182 0.0 3.2 4.8#
 77 13.9 21.6 32.4#



#75
 1,2,3,4-Tetrachlorobenzene
 Concen: 6.435 ng/ul
 RT: 13.267 min Scan# 1732
 Delta R.T. -0.005 min
 Lab File: BG064401.D
 Acq: 17 Sep 2025 2:17

Tgt Ion:216 Resp: 11175
 Ion Ratio Lower Upper
 216 100
 214 72.7 62.6 94.0
 218 40.6 38.2 57.4

