

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040125\
 Data File : BG064132.D
 Acq On : 1 Apr 2025 13:02
 Operator : RC/JU
 Sample : Q1666-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TW-WTS-05

Quant Time: Apr 01 13:52:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

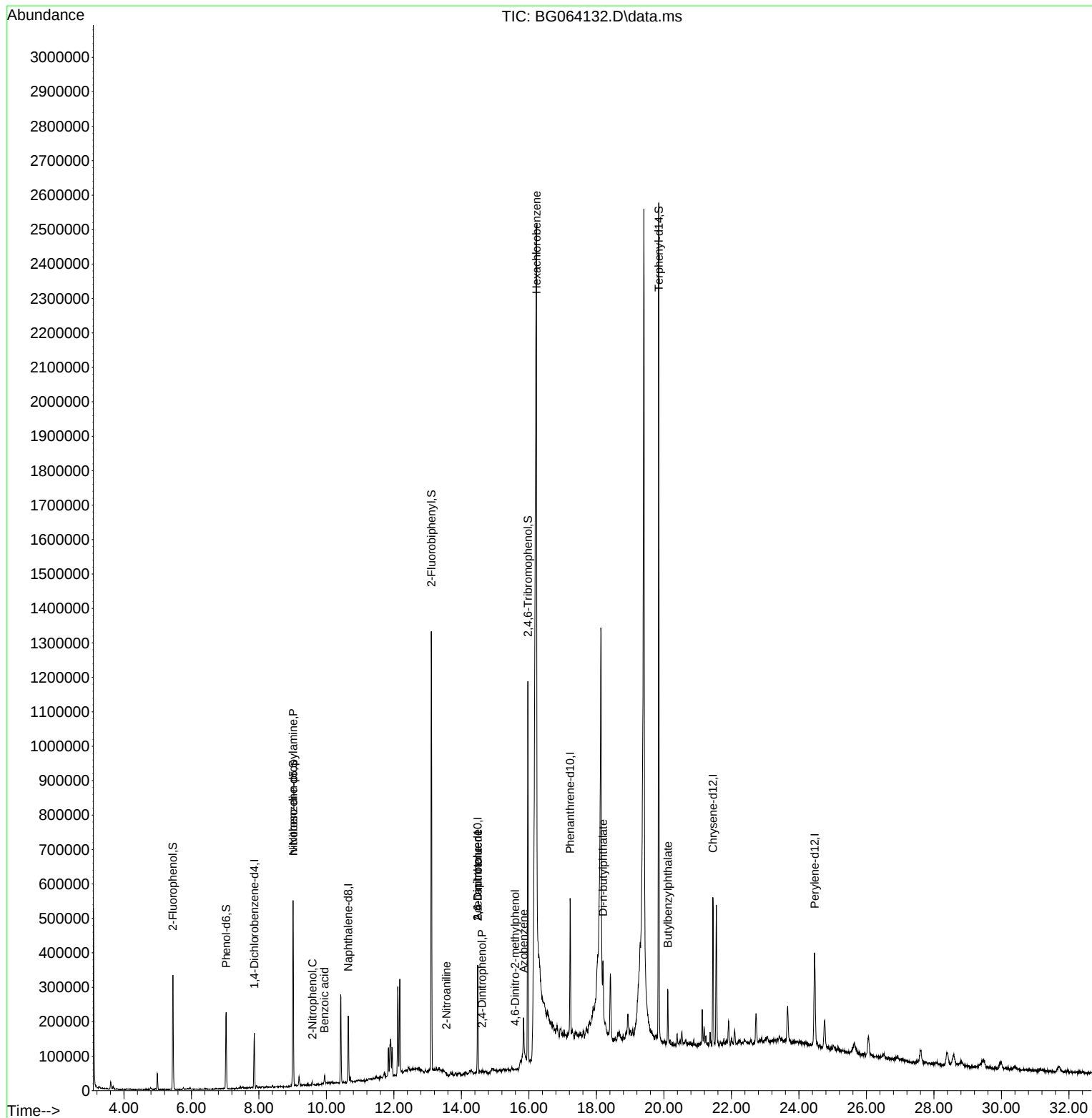
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	37361	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	150903	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	101090	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	219908	20.000	ng	0.00
76) Chrysene-d12	21.451	240	242527	20.000	ng	0.00
86) Perylene-d12	24.465	264	257901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	131388	54.912	ng	0.00
7) Phenol-d6	7.027	99	104380	32.067	ng	0.00
23) Nitrobenzene-d5	9.013	82	283068	103.662	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	181896	161.874	ng	0.00
45) 2-Fluorobiphenyl	13.108	172	616378	92.550	ng	0.00
79) Terphenyl-d14	19.847	244	1081513	90.168	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.013	70	39516	17.298	ng	# 75
26) 2-Nitrophenol	9.589	139	58	3.348	ng	# 26
32) Benzoic acid	9.941	122	3572	10.634	ng	# 75
48) 2-Nitroaniline	13.561	65	662	3.597	ng	# 42
51) 2,6-Dinitrotoluene	14.483	165	13594	11.709	ng	# 19
54) 2,4-Dinitrophenol	14.606	184	69	7.980	ng	# 15
57) 2,4-Dinitrotoluene	14.483	165	13594	9.659	ng	# 20
63) Azobenzene	15.840	77	29267	3.386	ng	# 17
65) 4,6-Dinitro-2-methylph...	15.593	198	61	8.232	ng	# 1
68) Hexachlorobenzene	16.228	284	65739	26.071	ng	# 42
74) Di-n-butylphthalate	18.196	149	83429	6.509	ng	98
80) Butylbenzylphthalate	20.118	149	66438	14.104	ng	# 21

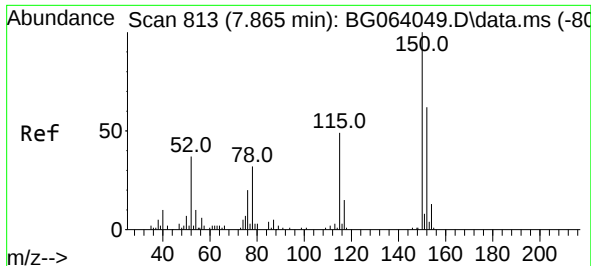
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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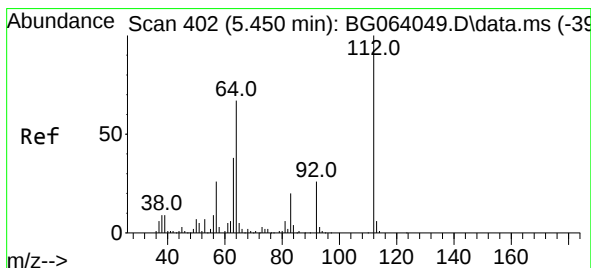
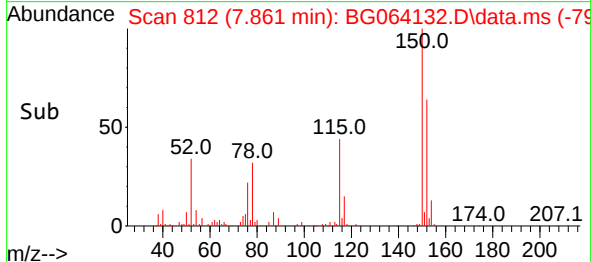
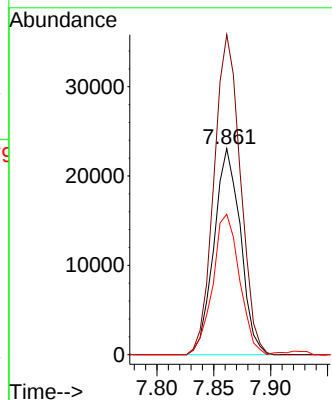
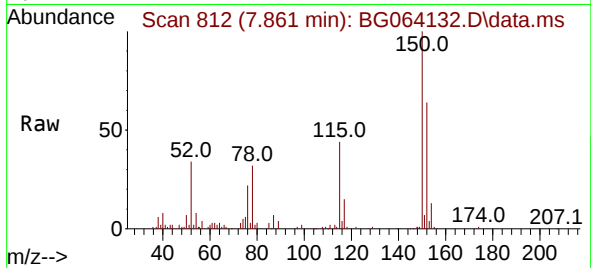




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 813
Delta R.T. -0.004 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

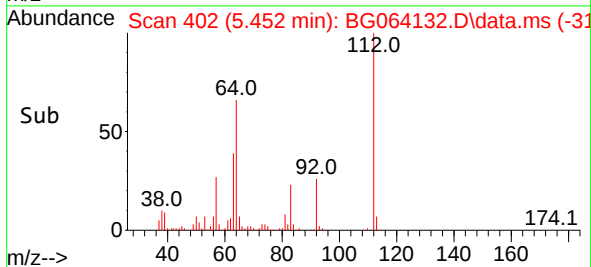
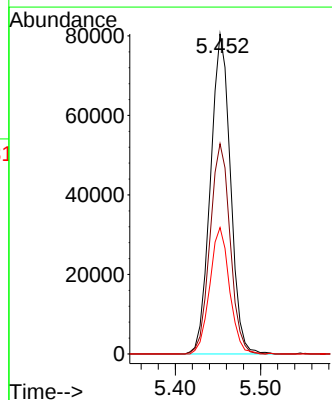
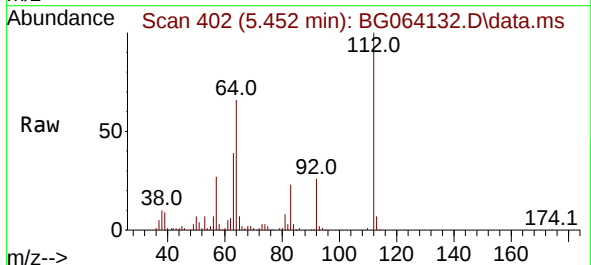
Instrument :
BNA_G
ClientSampleId :
TW-WTS-05

Tgt Ion:152 Resp: 37361
Ion Ratio Lower Upper
152 100
150 155.3 129.2 193.8
115 68.2 63.0 94.6



#5
2-Fluorophenol
Concen: 54.912 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Tgt Ion:112 Resp: 131388
Ion Ratio Lower Upper
112 100
64 65.7 53.7 80.5
63 39.5 30.2 45.4

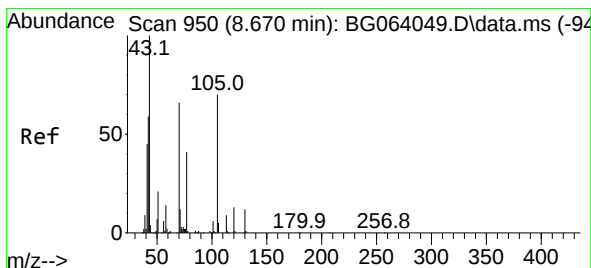
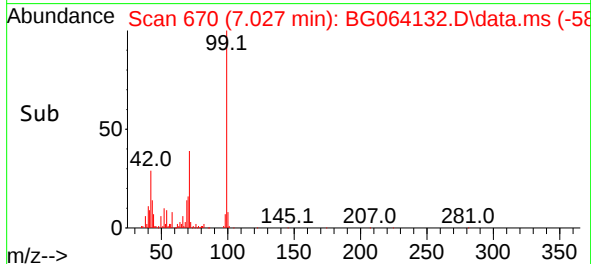
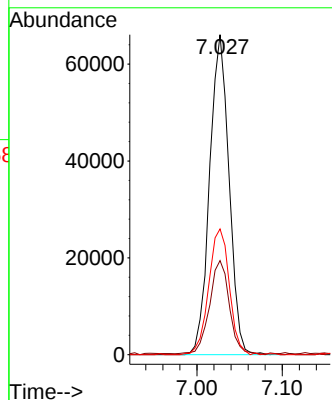
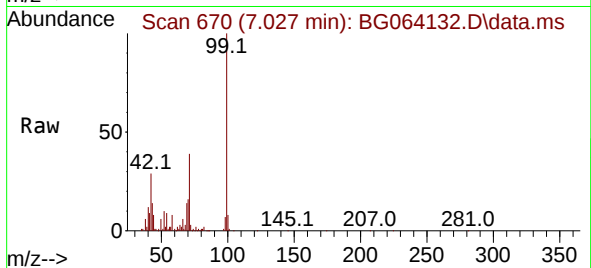




#7
Phenol-d6
Concen: 32.067 ng
RT: 7.027 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

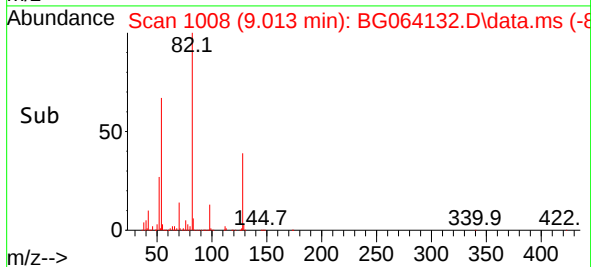
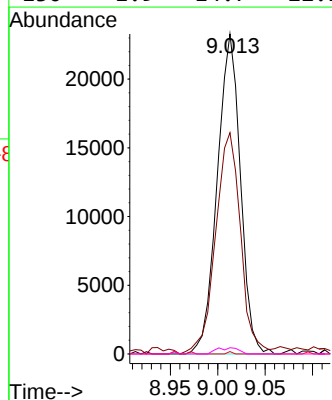
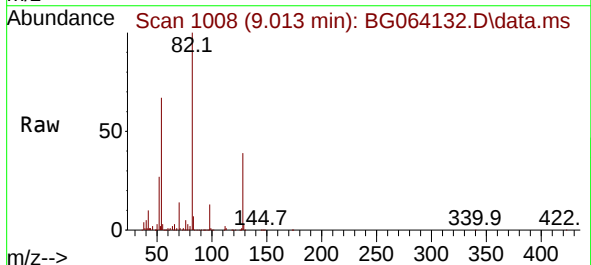
Instrument :
BNA_G
ClientSampleId :
TW-WTS-05

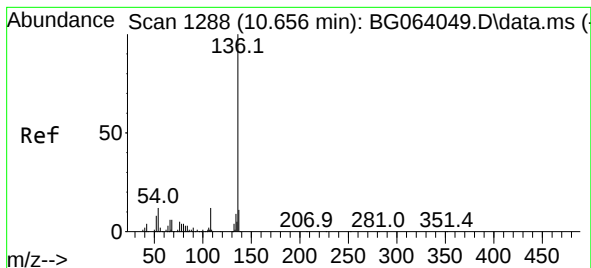
Tgt Ion: 99 Resp: 104380
Ion Ratio Lower Upper
99 100
42 29.4 22.7 34.1
71 39.3 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.298 ng
RT: 9.013 min Scan# 1008
Delta R.T. 0.343 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Tgt Ion: 70 Resp: 39516
Ion Ratio Lower Upper
70 100
42 69.2 72.1 108.1#
101 0.7 7.2 10.8#
130 1.9 14.7 22.1#

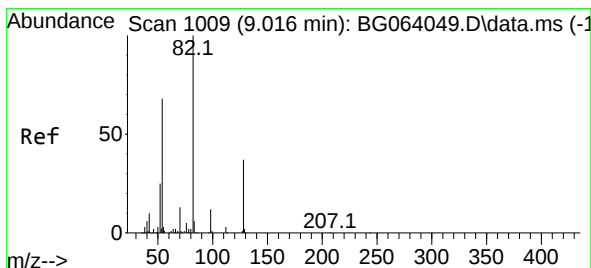
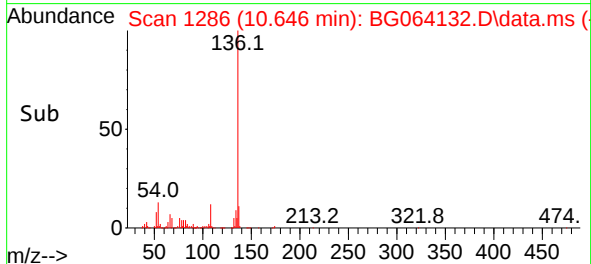
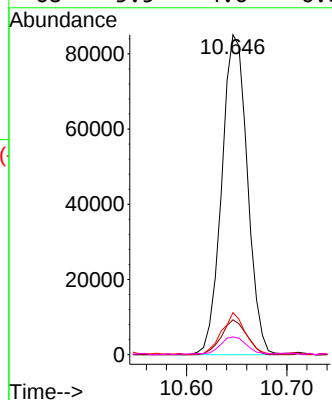
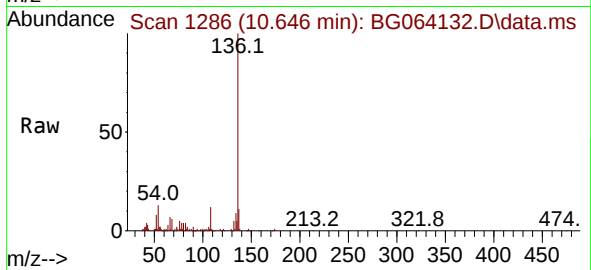




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

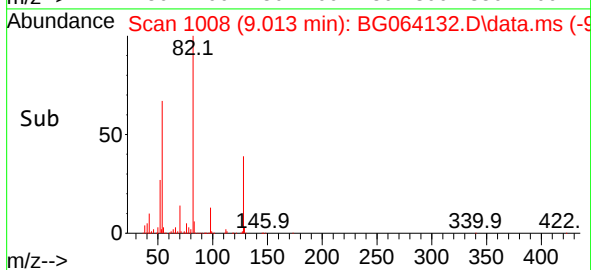
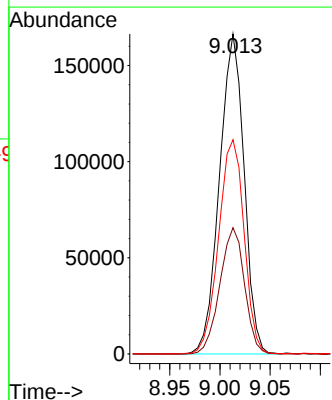
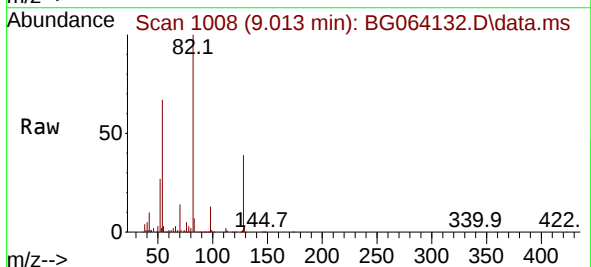
Instrument :
BNA_G
ClientSampleId :
TW-WTS-05

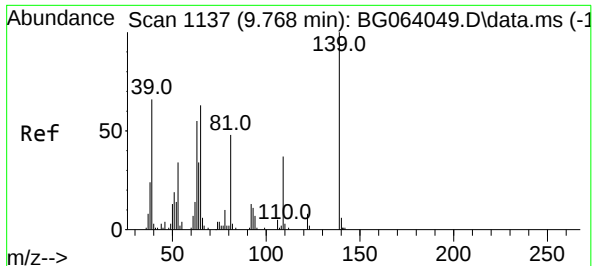
Tgt Ion:136 Resp: 150903
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 13.1 9.9 14.9
68 5.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 103.662 ng
RT: 9.013 min Scan# 1008
Delta R.T. -0.003 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Tgt Ion: 82 Resp: 283068
Ion Ratio Lower Upper
82 100
128 39.4 30.0 45.0
54 67.0 54.7 82.1

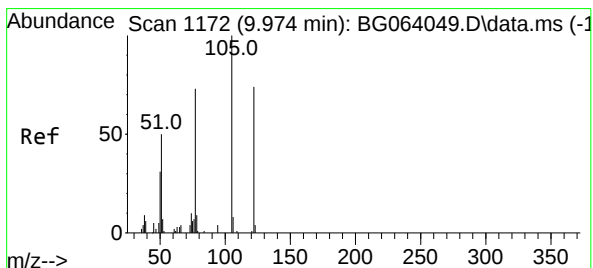
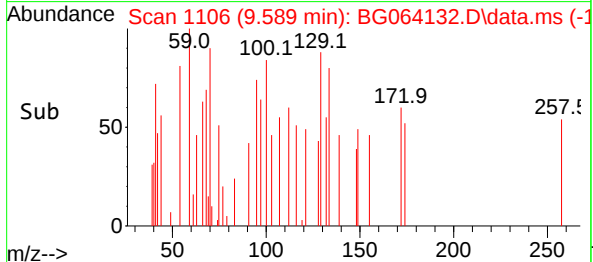
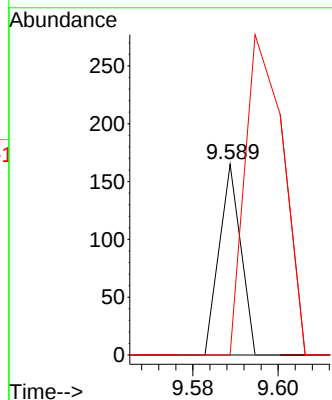
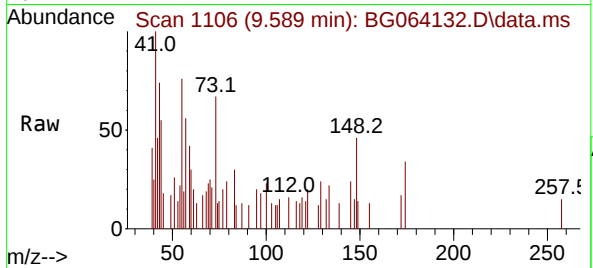




#26
2-Nitrophenol
Concen: 3.348 ng
RT: 9.589 min Scan# 1106
Delta R.T. -0.179 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

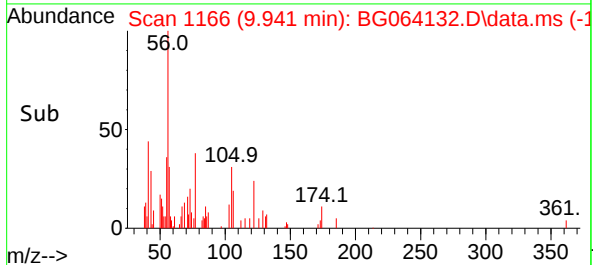
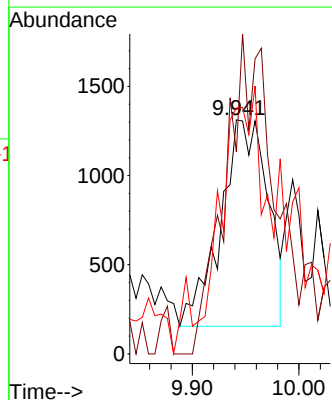
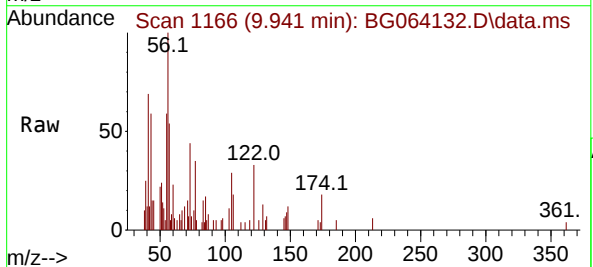
Instrument :
BNA_G
ClientSampleId :
TW-WTS-05

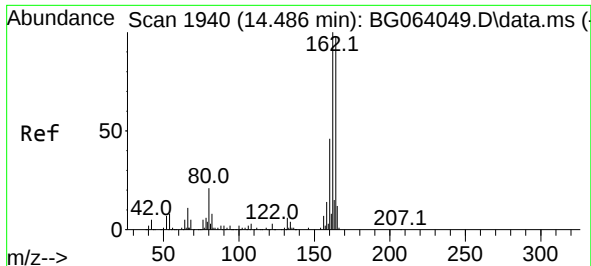
Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 10.634 ng
RT: 9.941 min Scan# 1166
Delta R.T. -0.033 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Tgt Ion:122 Resp: 3572
Ion Ratio Lower Upper
122 100
105 86.3 115.0 155.0#
77 105.1 80.9 120.9

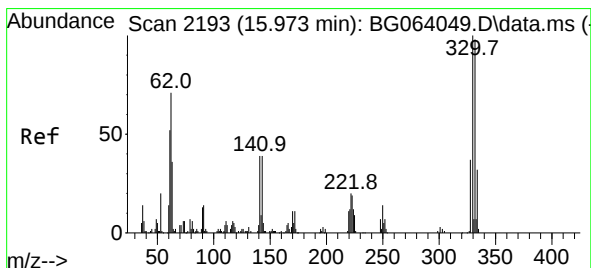
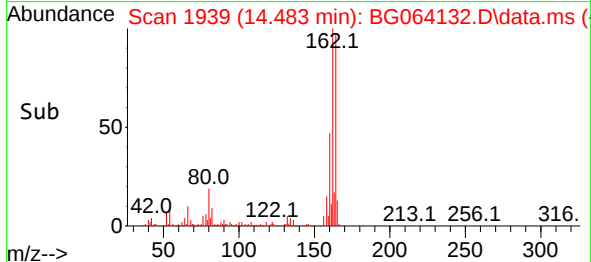
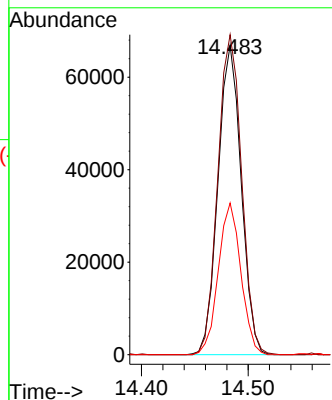
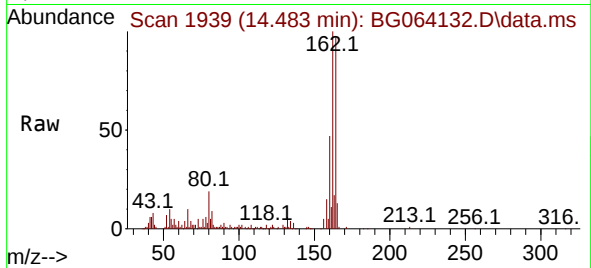




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

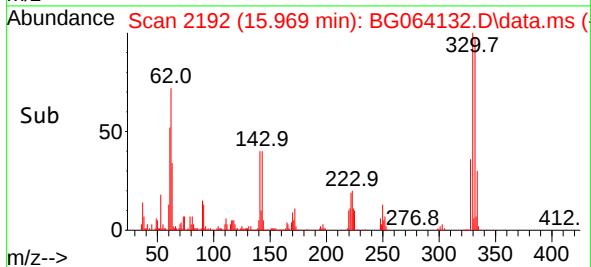
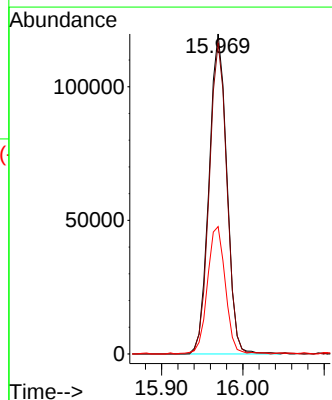
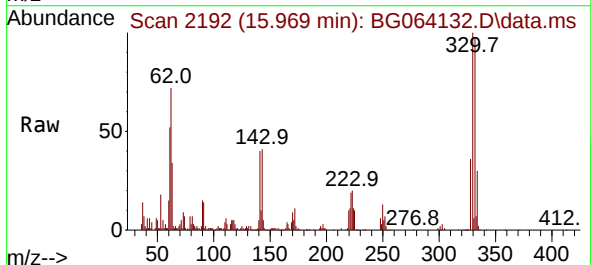
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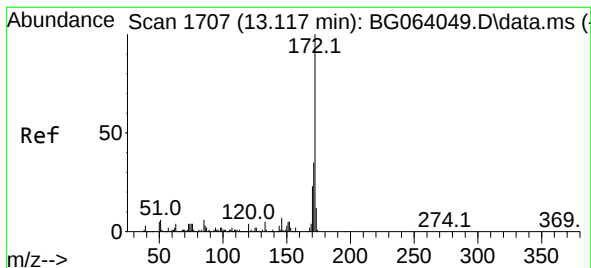
Tgt Ion:164 Resp: 101090
Ion Ratio Lower Upper
164 100
162 103.4 81.4 122.0
160 49.0 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 161.874 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.003 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Tgt Ion:330 Resp: 181896
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 40.2 29.7 44.5





#45

2-Fluorobiphenyl

Concen: 92.550 ng

RT: 13.108 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064132.D

Acq: 1 Apr 2025 13:02

Instrument :

BNA_G

ClientSampleId :

TW-WTS-05

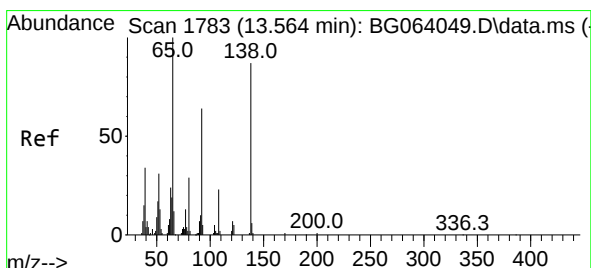
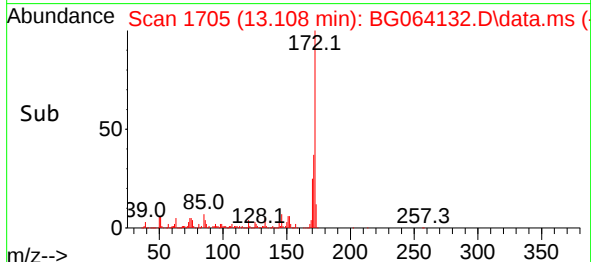
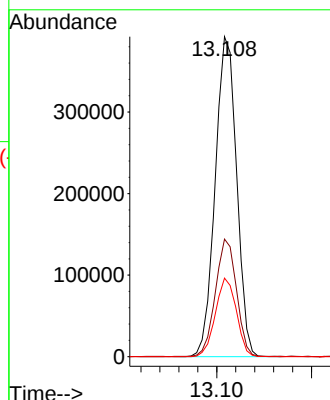
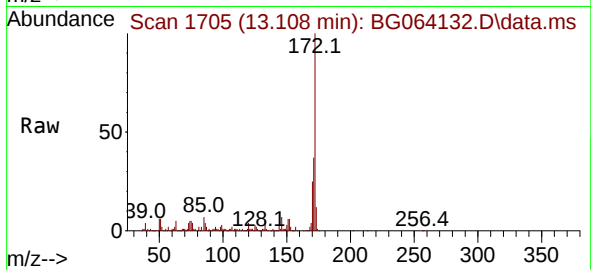
Tgt Ion:172 Resp: 616378

Ion Ratio Lower Upper

172 100

171 36.8 28.0 42.0

170 24.5 18.7 28.1



#48

2-Nitroaniline

Concen: 3.597 ng

RT: 13.561 min Scan# 1782

Delta R.T. -0.003 min

Lab File: BG064132.D

Acq: 1 Apr 2025 13:02

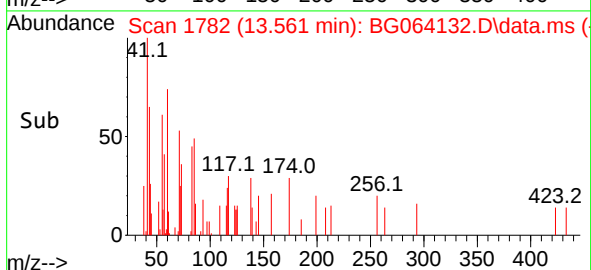
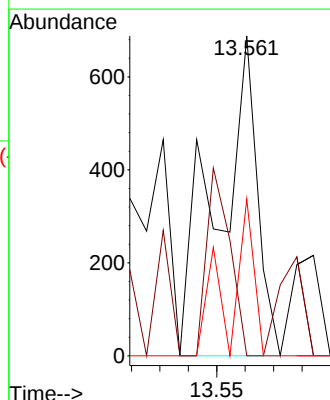
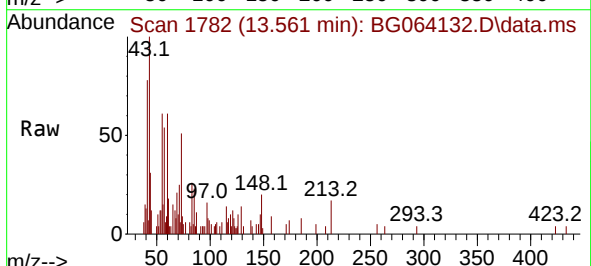
Tgt Ion: 65 Resp: 662

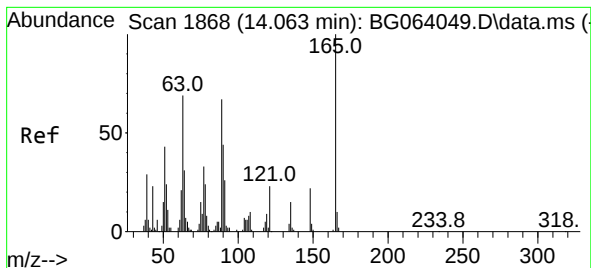
Ion Ratio Lower Upper

65 100

92 0.0 51.2 76.8#

138 49.0 69.4 104.2#

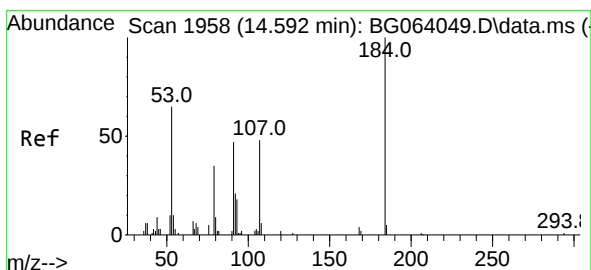
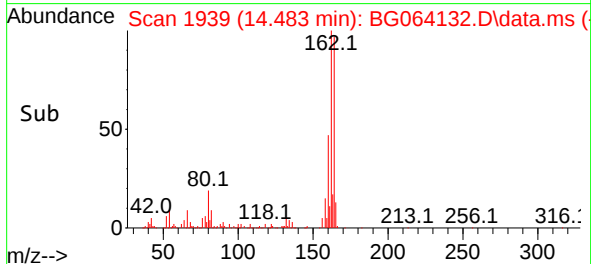
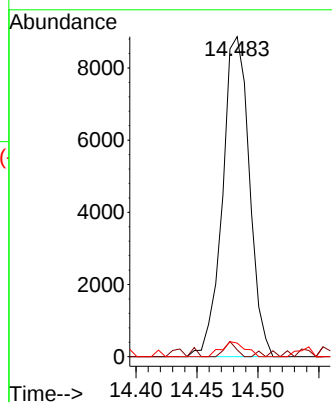
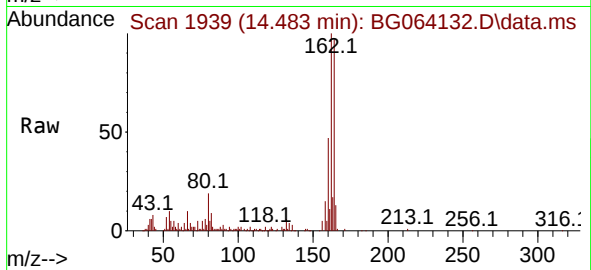




#51
2,6-Dinitrotoluene
Concen: 11.709 ng
RT: 14.483 min Scan# 1939
Delta R.T. 0.420 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

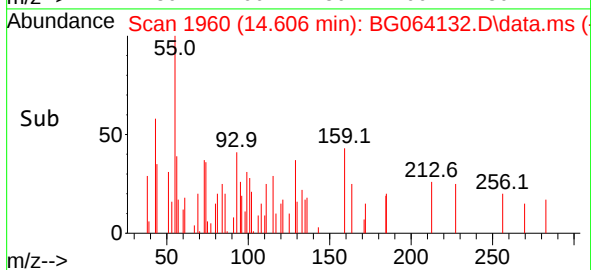
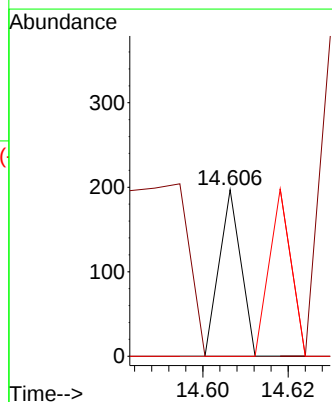
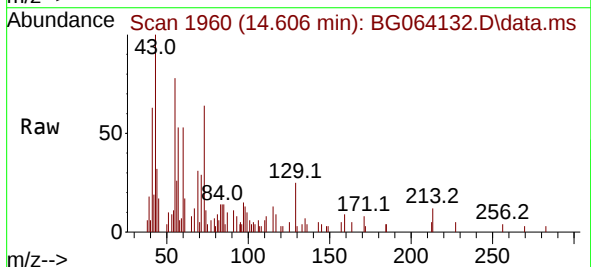
Instrument :
BNA_G
ClientSampleId :
TW-WTS-05

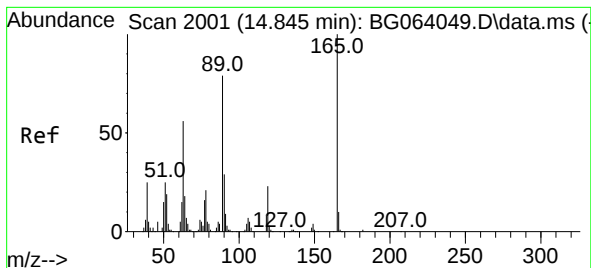
Tgt Ion:165 Resp: 13594
Ion Ratio Lower Upper
165 100
63 2.1 56.7 85.1#
89 4.2 53.7 80.5#



#54
2,4-Dinitrophenol
Concen: 7.980 ng
RT: 14.606 min Scan# 1960
Delta R.T. 0.014 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#





#57

2,4-Dinitrotoluene

Concen: 9.659 ng

RT: 14.483 min Scan# 1939

Delta R.T. -0.362 min

Lab File: BG064132.D

Acq: 1 Apr 2025 13:02

Instrument :

BNA_G

ClientSampleId :

TW-WTS-05

Tgt Ion:165 Resp: 13594

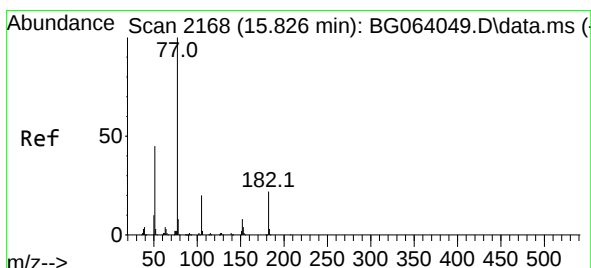
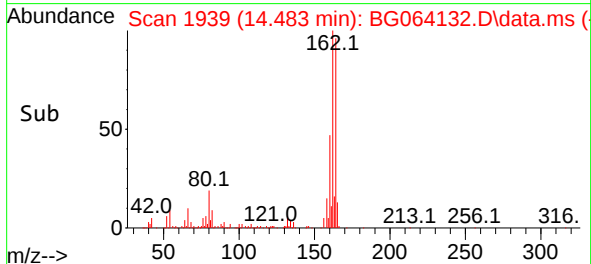
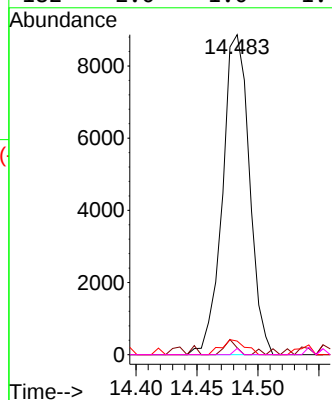
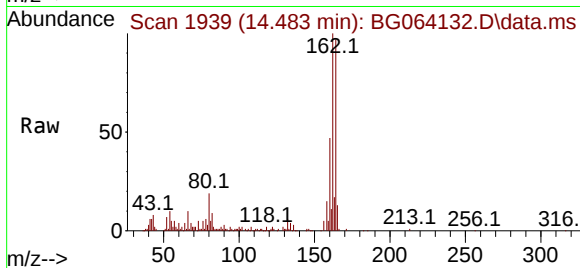
Ion Ratio Lower Upper

165 100

63 2.1 45.0 67.6#

89 4.2 63.1 94.7#

182 2.0 1.0 1.4#



#63

Azobenzene

Concen: 3.386 ng

RT: 15.840 min Scan# 2170

Delta R.T. 0.014 min

Lab File: BG064132.D

Acq: 1 Apr 2025 13:02

Tgt Ion: 77 Resp: 29267

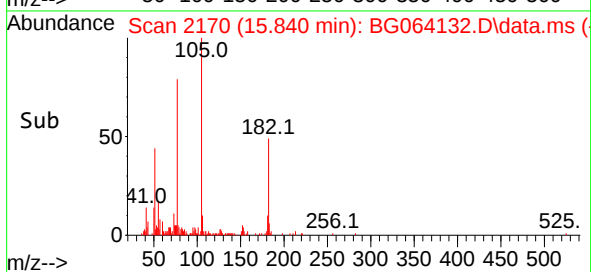
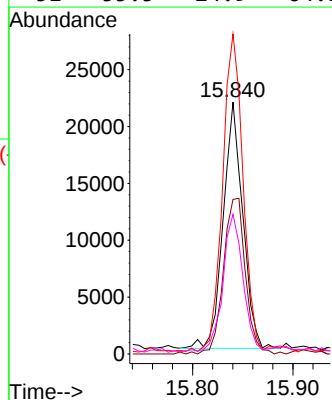
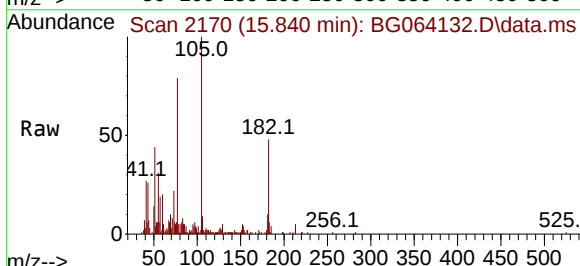
Ion Ratio Lower Upper

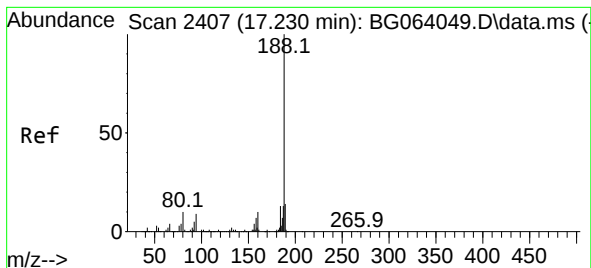
77 100

182 61.4 2.4 42.4#

105 127.1 0.0 40.0#

51 55.5 24.9 64.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 2405

Delta R.T. -0.009 min

Lab File: BG064132.D

Acq: 1 Apr 2025 13:02

Instrument :

BNA_G

ClientSampleId :

TW-WTS-05

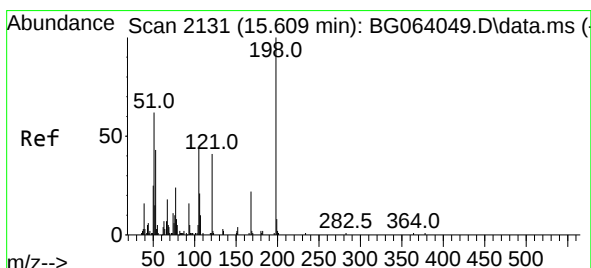
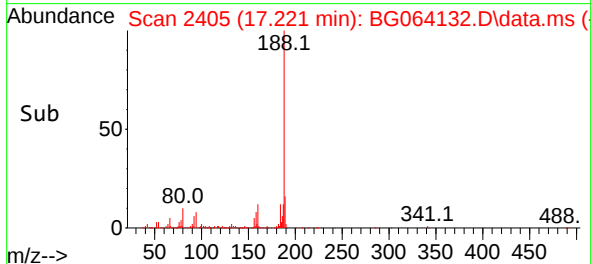
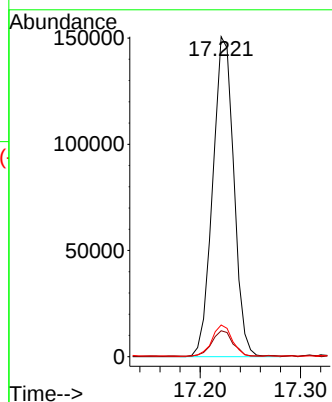
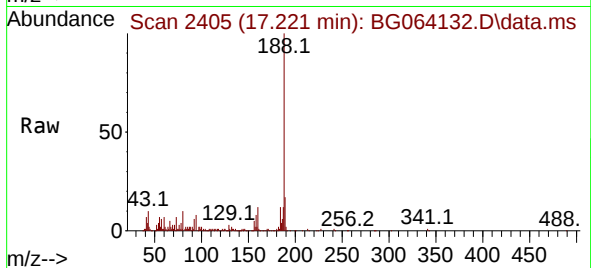
Tgt Ion:188 Resp: 219908

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

80 9.9 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.232 ng

RT: 15.593 min Scan# 2128

Delta R.T. -0.016 min

Lab File: BG064132.D

Acq: 1 Apr 2025 13:02

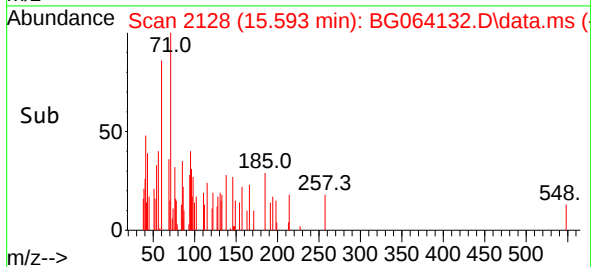
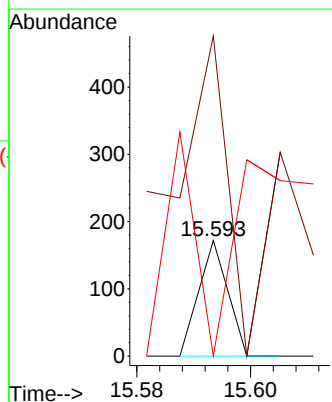
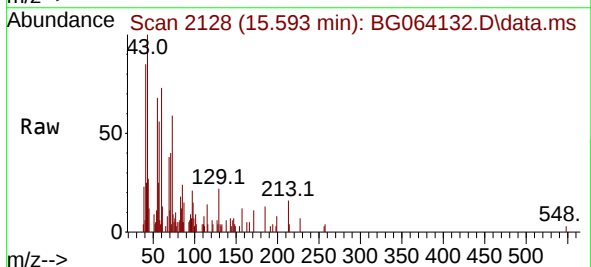
Tgt Ion:198 Resp: 61

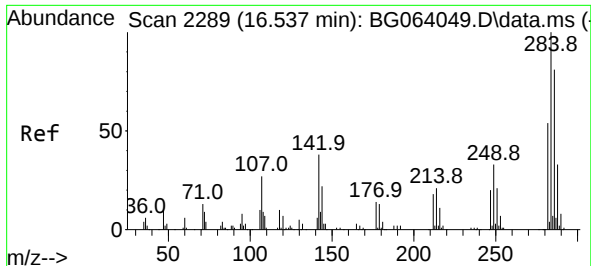
Ion Ratio Lower Upper

198 100

51 276.7 45.6 85.6#

105 0.0 25.3 65.3#

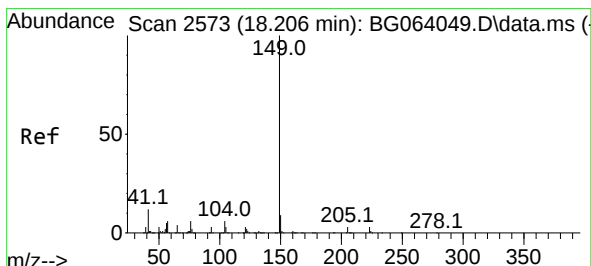
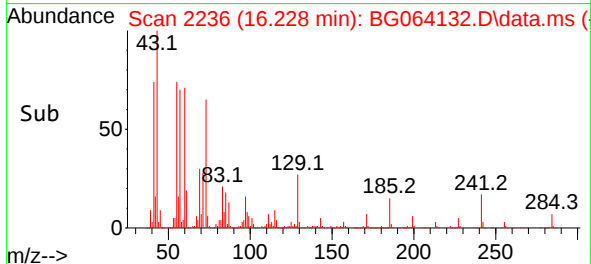
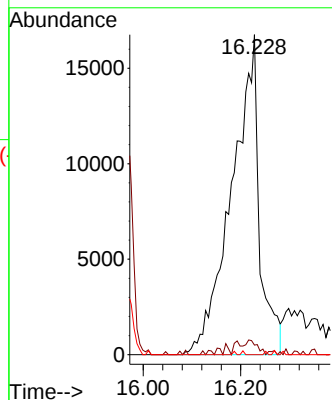
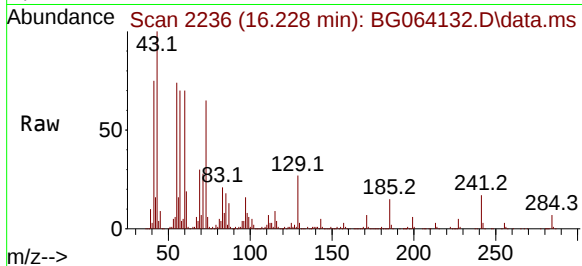




#68
Hexachlorobenzene
Concen: 26.071 ng
RT: 16.228 min Scan# 21
Delta R.T. -0.309 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

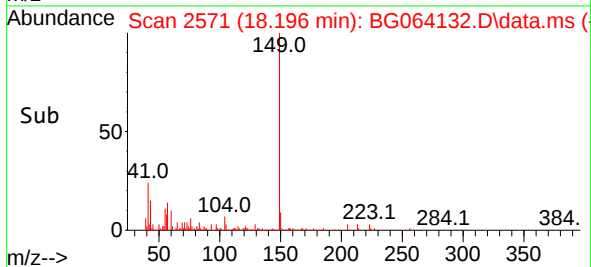
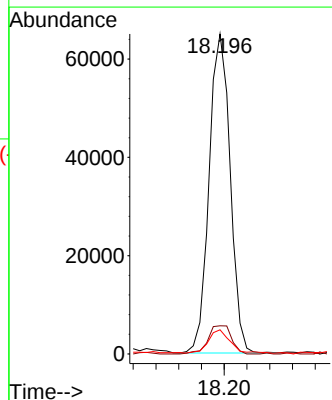
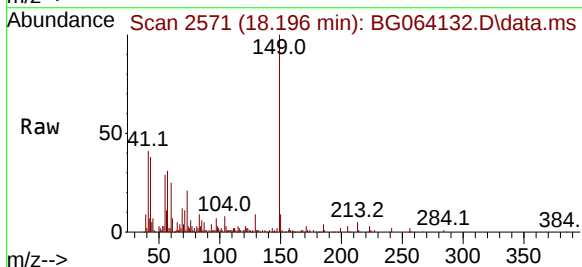
Instrument :
BNA_G
ClientSampleId :
TW-WTS-05

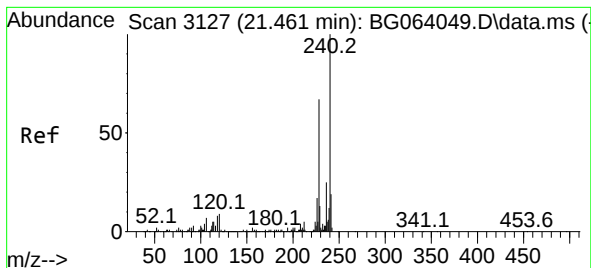
Tgt Ion:284 Resp: 65739
Ion Ratio Lower Upper
284 100
142 3.0 30.6 45.8#
249 0.0 26.6 39.8#



#74
Di-n-butylphthalate
Concen: 6.509 ng
RT: 18.196 min Scan# 2571
Delta R.T. -0.009 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Tgt Ion:149 Resp: 83429
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 7.6 5.0 7.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.451 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064132.D

Acq: 1 Apr 2025 13:02

Instrument :

BNA_G

ClientSampleId :

TW-WTS-05

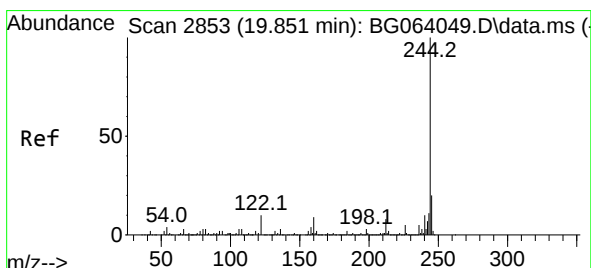
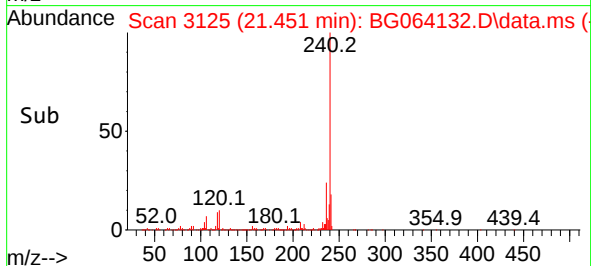
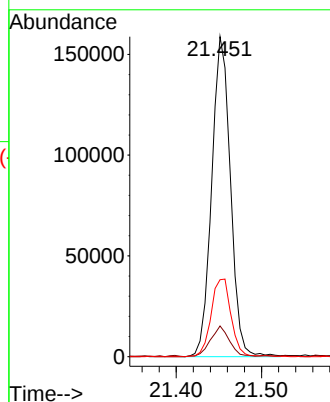
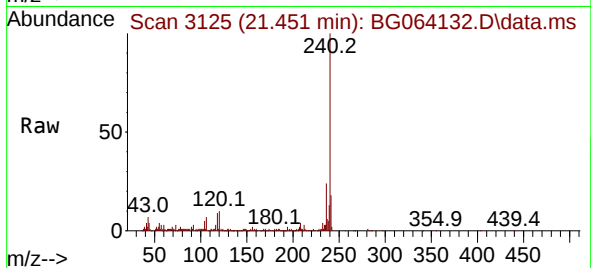
Tgt Ion:240 Resp: 242527

Ion Ratio Lower Upper

240 100

120 9.6 7.2 10.8

236 24.1 20.2 30.2



#79

Terphenyl-d14

Concen: 90.168 ng

RT: 19.847 min Scan# 2852

Delta R.T. -0.003 min

Lab File: BG064132.D

Acq: 1 Apr 2025 13:02

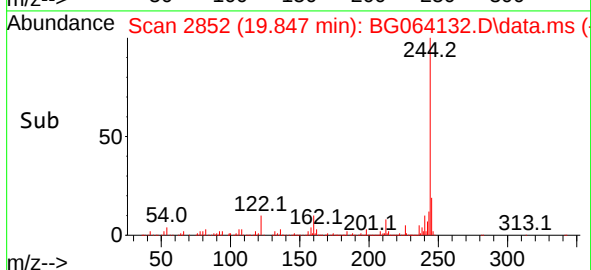
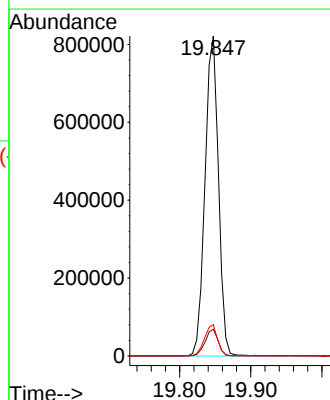
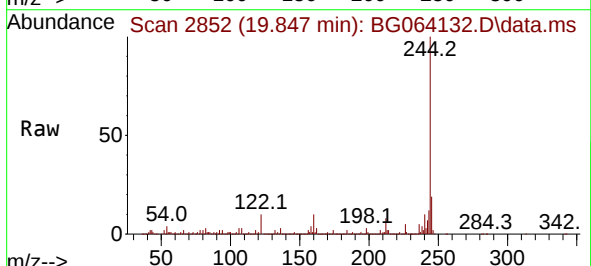
Tgt Ion:244 Resp: 1081513

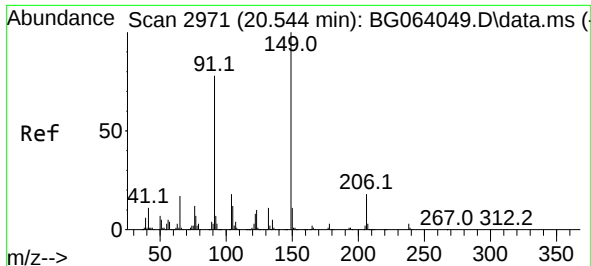
Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.4

122 9.8 8.0 12.0

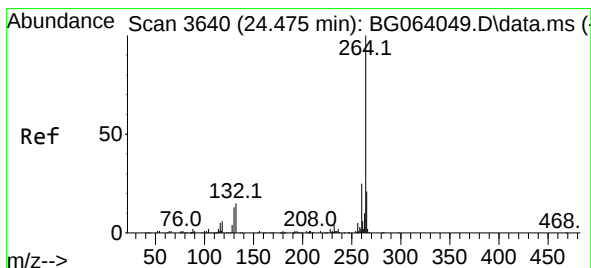
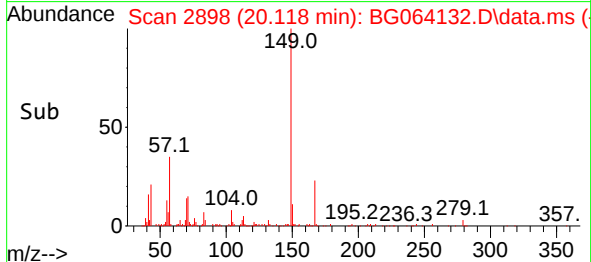
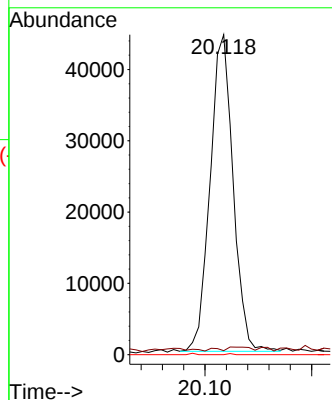
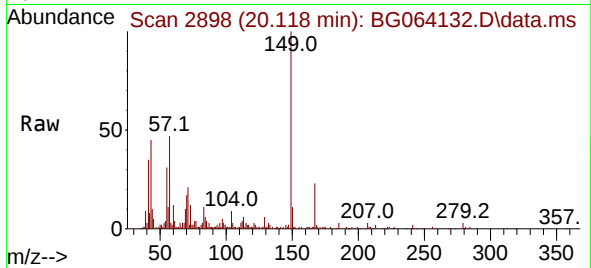




#80
Butylbenzylphthalate
Concen: 14.104 ng
RT: 20.118 min Scan# 21
Delta R.T. -0.426 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Instrument :
BNA_G
ClientSampleId :
TW-WTS-05

Tgt Ion:149 Resp: 66438
Ion Ratio Lower Upper
149 100
91 1.2 62.0 93.0#
206 0.0 14.6 21.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.465 min Scan# 3638
Delta R.T. -0.009 min
Lab File: BG064132.D
Acq: 1 Apr 2025 13:02

Tgt Ion:264 Resp: 257901
Ion Ratio Lower Upper
264 100
260 23.4 19.6 29.4
265 20.2 16.6 25.0

