

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
 Data File : BG064244.D
 Acq On : 2 Sep 2025 14:03
 Operator : RC/JU
 Sample : Q2991-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 14:53:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

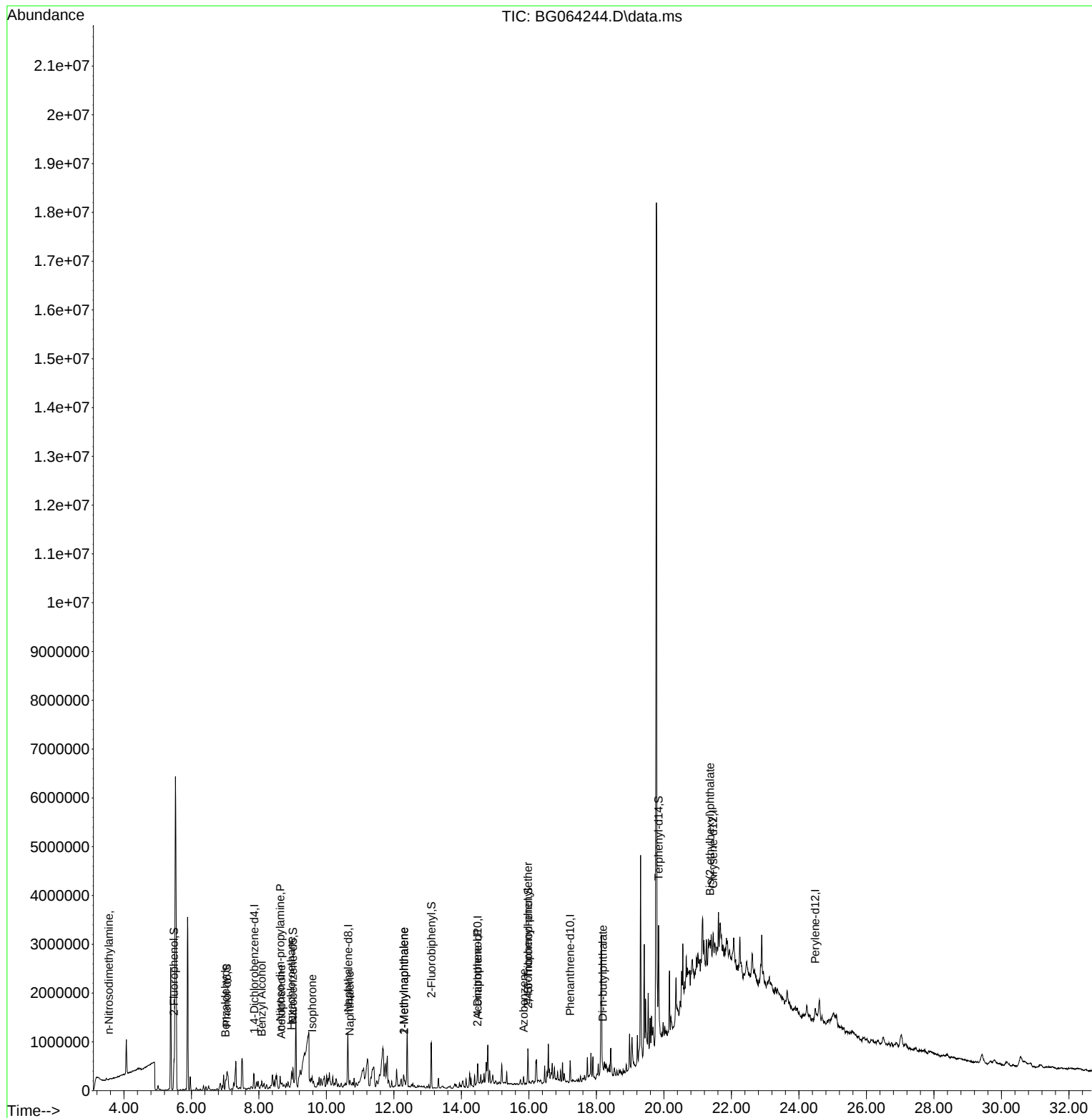
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	43411	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	181809	20.000	ng	# 0.00
39) Acenaphthene-d10	14.483	164	125462	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	253470	20.000	ng	0.00
76) Chrysene-d12	21.457	240	234044	20.000	ng	0.00
86) Perylene-d12	24.483	264	270065	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.482	112	215831	89.199	ng	0.04
7) Phenol-d6	7.056	99	312299	93.947	ng	0.03
23) Nitrobenzene-d5	9.007	82	189628	58.169	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	128092	77.080	ng	0.00
45) 2-Fluorobiphenyl	13.108	172	475456	57.843	ng	0.00
79) Terphenyl-d14	19.841	244	716953	63.912	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.555	42	6472	3.296	ng	# 6
9) Benzaldehyde	7.009	77	10292	3.762	ng	# 1
15) Benzyl Alcohol	8.085	79	14143	4.610	ng	# 60
18) Hexachloroethane	8.960	117	20296	16.378	ng	# 1
19) n-Nitroso-di-n-propyla...	8.631	70	7009	2.755	ng	# 34
22) Acetophenone	8.660	105	46810	10.177	ng	# 52
25) Isophorone	9.577	82	17883	2.639	ng	# 1
31) Naphthalene	10.693	128	62480	6.627	ng	99
37) 2-Methylnaphthalene	12.303	142	37918	5.411	ng	94
38) 1-Methylnaphthalene	12.303	142	37918	5.478	ng	94
54) 2,4-Dinitrophenol	14.471	184	68	5.704	ng	# 1
63) Azobenzene	15.840	77	34692	3.830	ng	# 1
67) 4-Bromophenyl-phenylether	15.970	248	9363	3.478	ng	# 1
74) Di-n-butylphthalate	18.190	149	36092	2.508	ng	# 94
84) Bis(2-ethylhexyl)phtha...	21.369	149	85948	10.294	ng	# 89

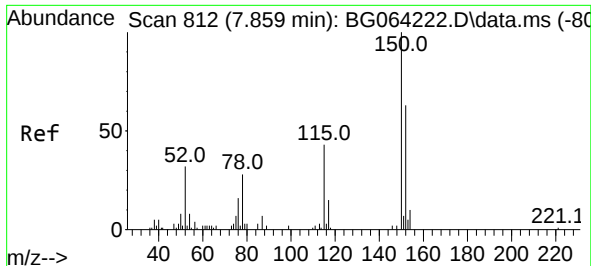
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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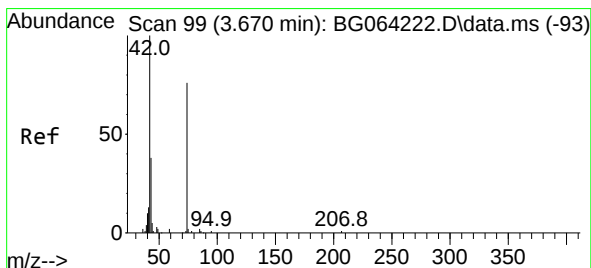
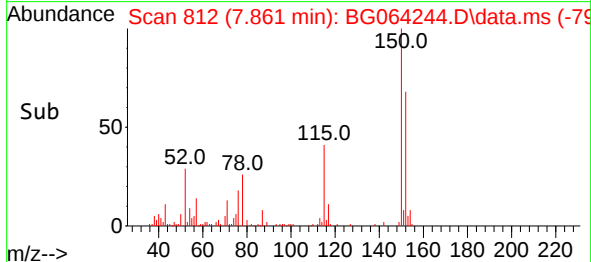
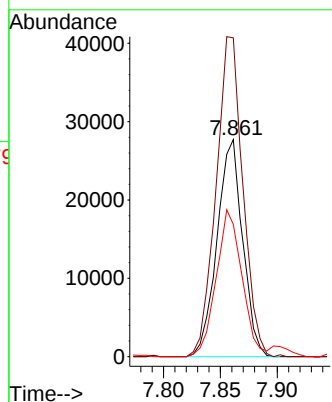
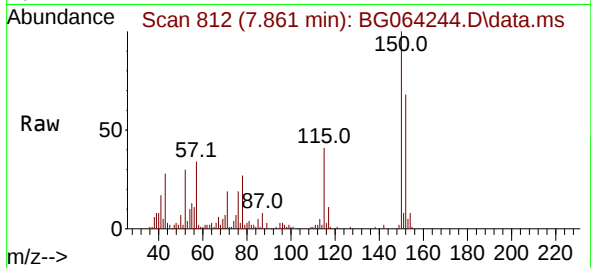




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

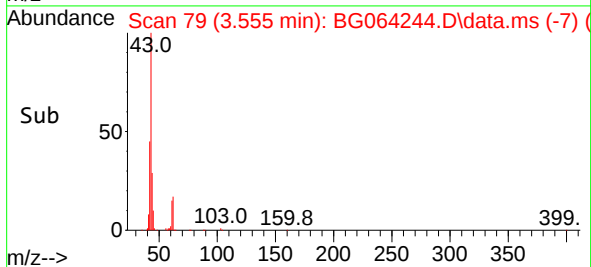
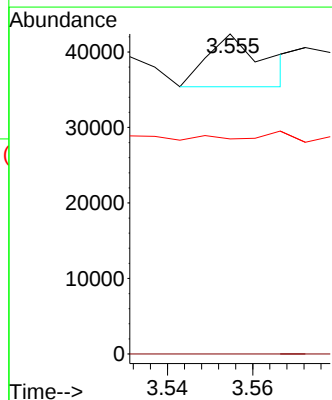
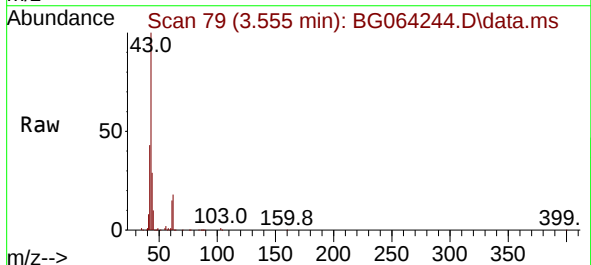
Instrument :
BNA_G
ClientSampleId :

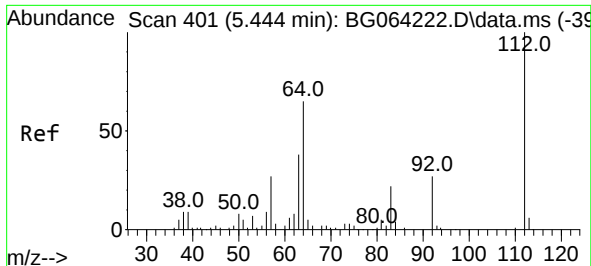
Tgt Ion:152 Resp: 43411
Ion Ratio Lower Upper
152 100
150 146.9 128.0 192.0
115 61.0 55.7 83.5



#4
n-Nitrosodimethylamine
Concen: 3.296 ng
RT: 3.555 min Scan# 79
Delta R.T. -0.109 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Tgt Ion: 42 Resp: 6472
Ion Ratio Lower Upper
42 100
74 0.0 58.0 87.0#
44 67.2 5.5 8.3#

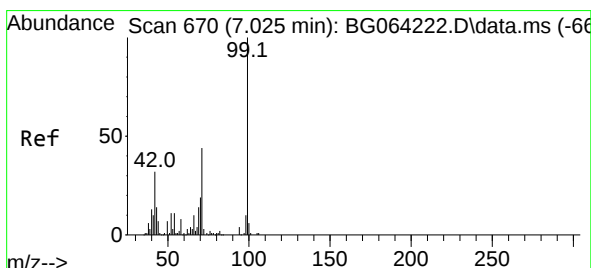
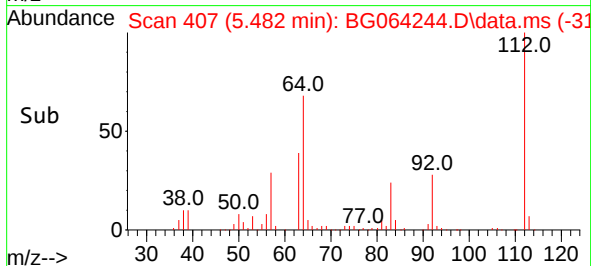
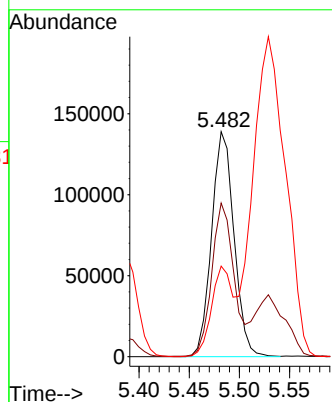
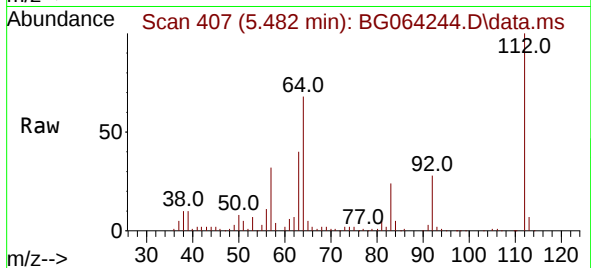




#5
2-Fluorophenol
Concen: 89.199 ng
RT: 5.482 min Scan# 401
Delta R.T. 0.038 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

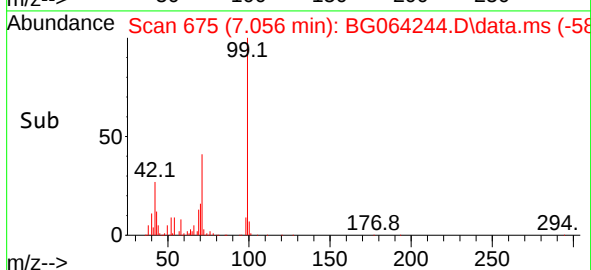
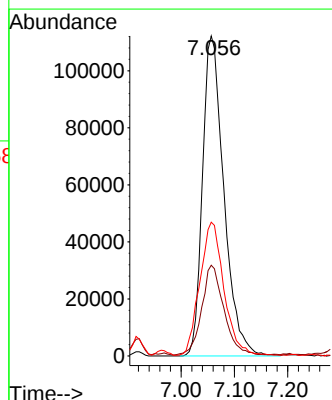
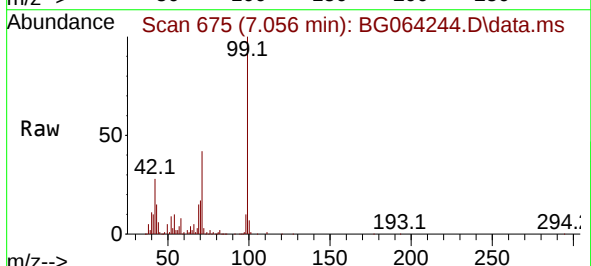
Instrument :
BNA_G
ClientSampleId :

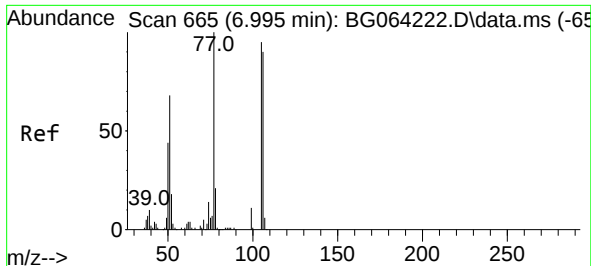
Tgt Ion:112 Resp: 215831
Ion Ratio Lower Upper
112 100
64 68.2 51.8 77.6
63 40.2 30.6 45.8



#7
Phenol-d6
Concen: 93.947 ng
RT: 7.056 min Scan# 675
Delta R.T. 0.026 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Tgt Ion: 99 Resp: 312299
Ion Ratio Lower Upper
99 100
42 28.4 25.8 38.8
71 41.8 35.2 52.8

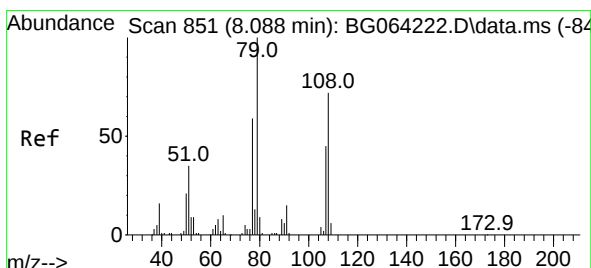
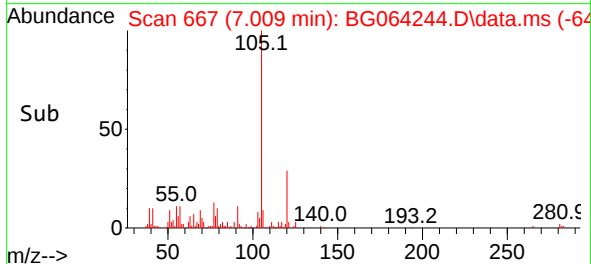
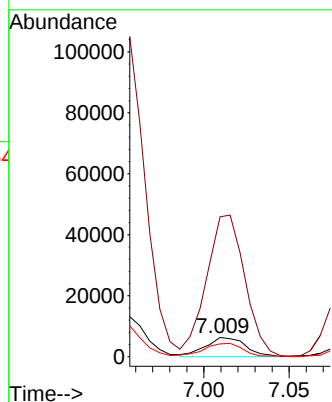
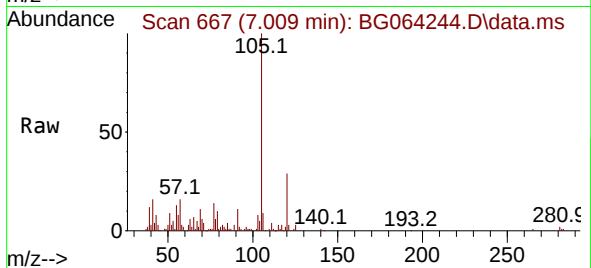




#9
Benzaldehyde
Concen: 3.762 ng
RT: 7.009 min Scan# 61
Delta R.T. 0.014 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

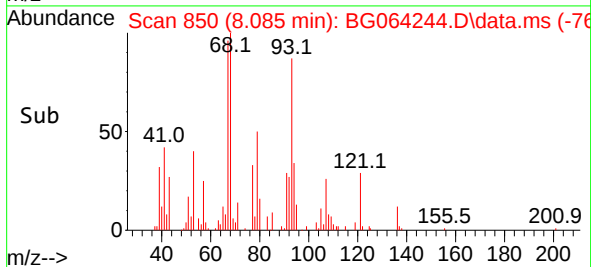
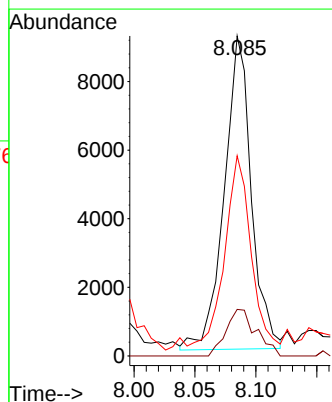
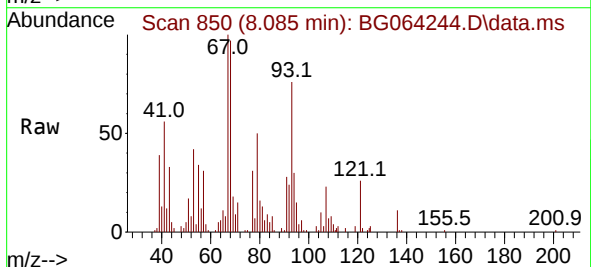
Instrument :
BNA_G
ClientSampleId :

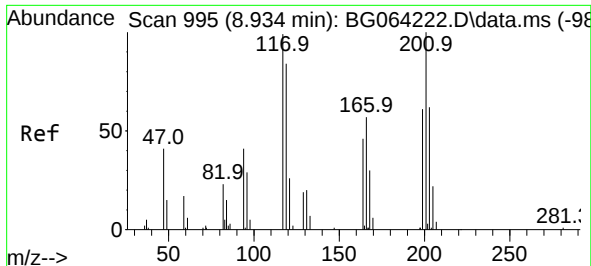
Tgt Ion: 77 Resp: 10292
Ion Ratio Lower Upper
77 100
105 727.1 75.2 115.2#
106 66.3 69.6 109.6#



#15
Benzyl Alcohol
Concen: 4.610 ng
RT: 8.085 min Scan# 850
Delta R.T. -0.009 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Tgt Ion: 79 Resp: 14143
Ion Ratio Lower Upper
79 100
108 14.6 57.4 86.0#
77 62.6 47.2 70.8

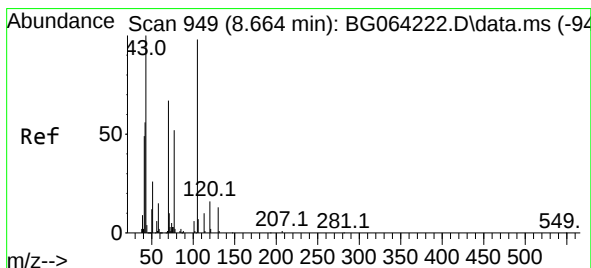
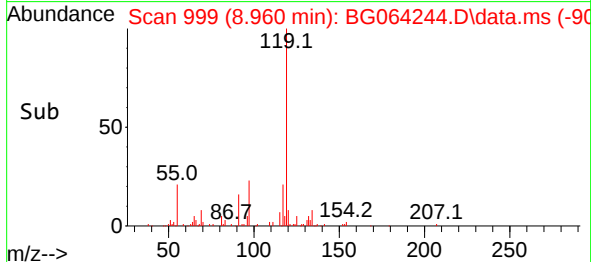
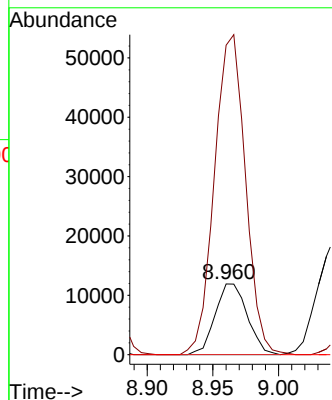
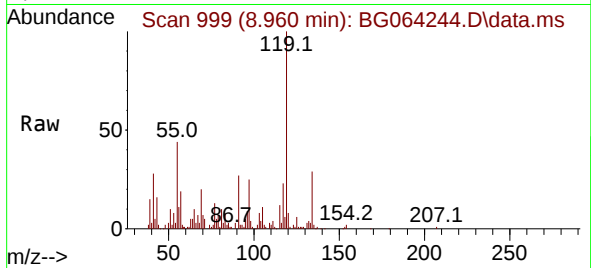




#18
Hexachloroethane
Concen: 16.378 ng
RT: 8.960 min Scan# 995
Delta R.T. 0.026 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

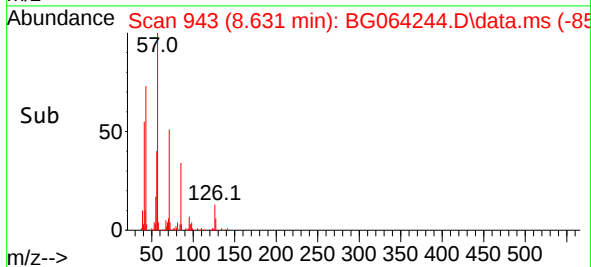
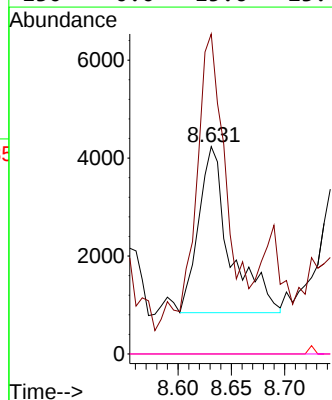
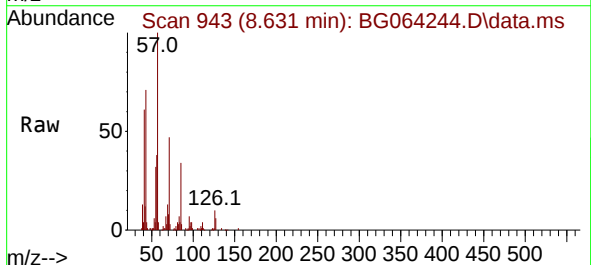
Instrument :
BNA_G
ClientSampleId :

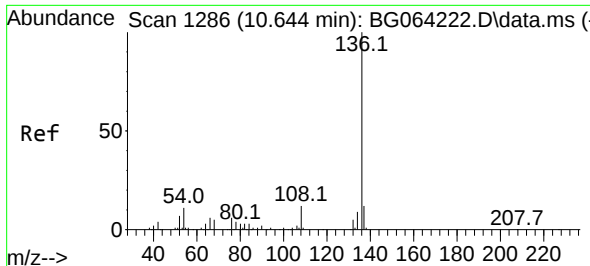
Tgt Ion:117 Resp: 20296
Ion Ratio Lower Upper
117 100
119 437.8 67.9 101.9#
201 0.0 80.5 120.7#



#19
n-Nitroso-di-n-propylamine
Concen: 2.755 ng
RT: 8.631 min Scan# 943
Delta R.T. -0.033 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

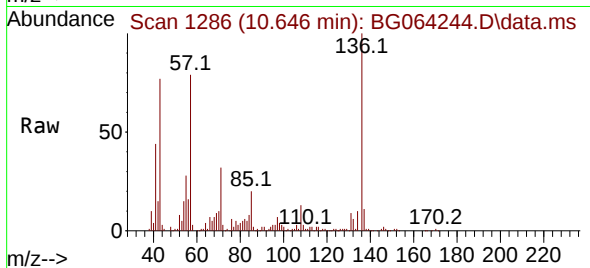
Tgt Ion: 70 Resp: 7009
Ion Ratio Lower Upper
70 100
42 154.3 67.9 101.9#
101 0.0 7.3 10.9#
130 0.0 15.6 23.4#



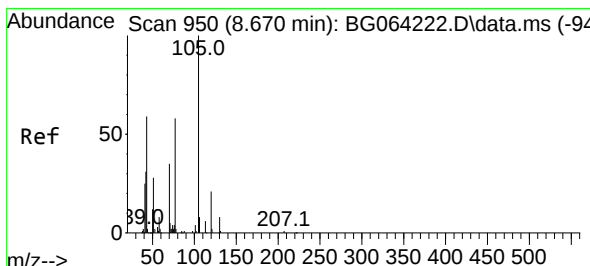
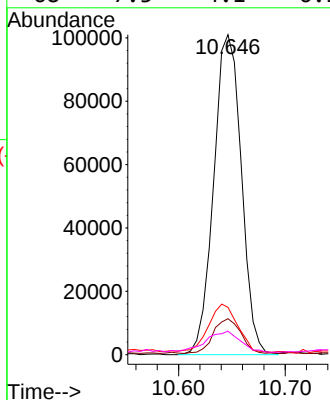
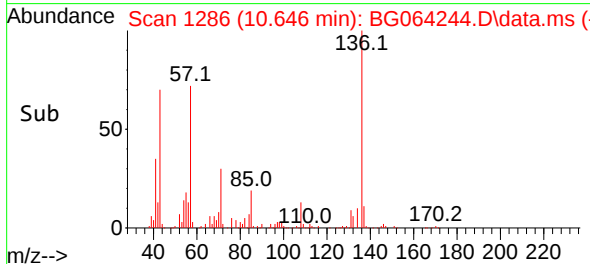


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Instrument :
BNA_G
ClientSampleId :

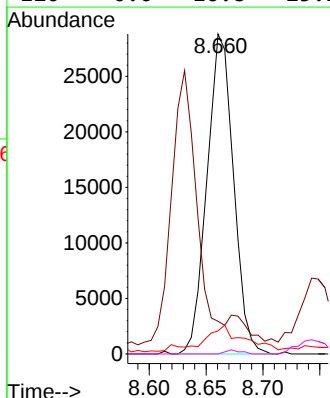
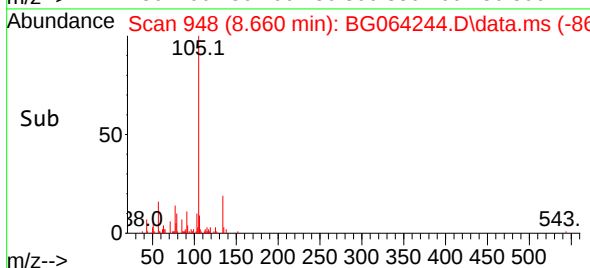
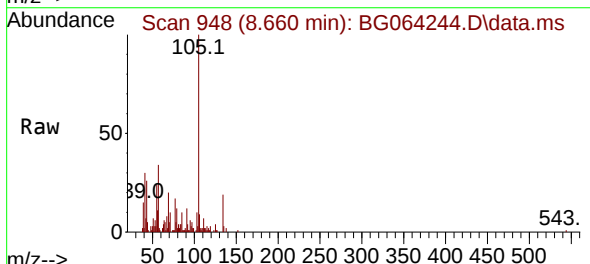


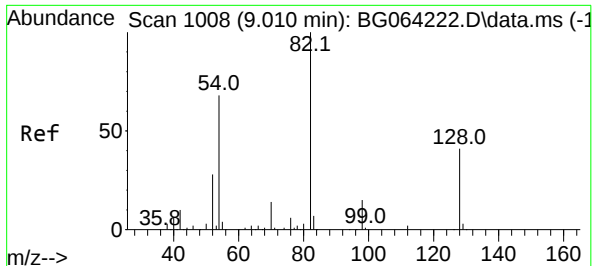
Tgt Ion:136 Resp: 181809
Ion Ratio Lower Upper
136 100
137 11.3 9.6 14.4
54 14.8 8.8 13.2#
68 7.3 4.1 6.1#



#22
Acetophenone
Concen: 10.177 ng
RT: 8.660 min Scan# 948
Delta R.T. -0.015 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Tgt Ion:105 Resp: 46810
Ion Ratio Lower Upper
105 100
71 10.2 4.3 6.5#
51 7.2 32.4 48.6#
120 0.0 16.8 25.2#

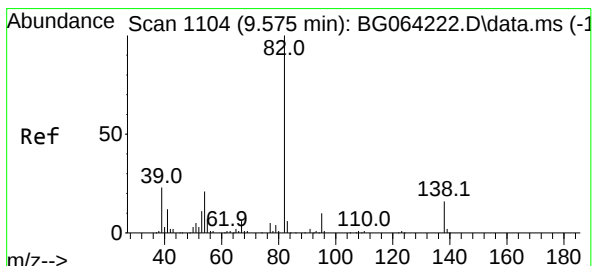
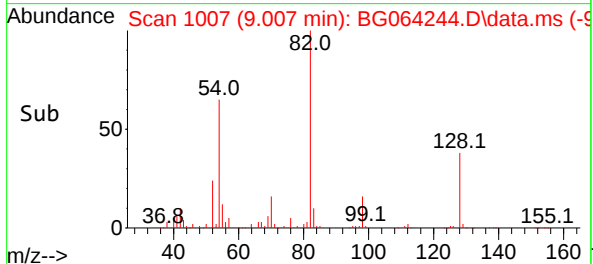
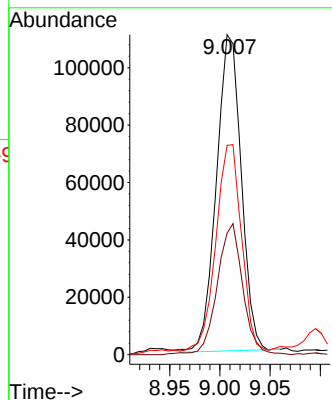
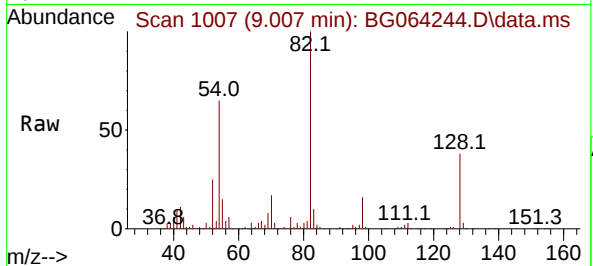




#23
Nitrobenzene-d5
Concen: 58.169 ng
RT: 9.007 min Scan# 1007
Delta R.T. -0.010 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

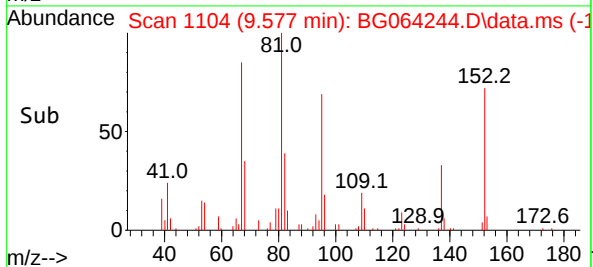
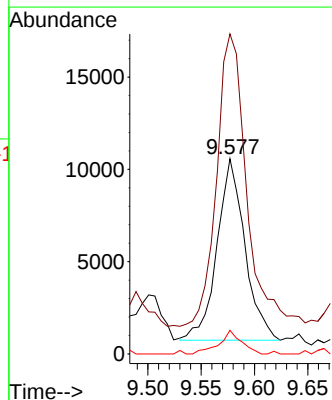
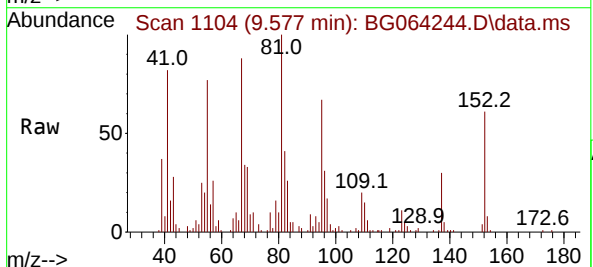
Instrument :
BNA_G
ClientSampleId :

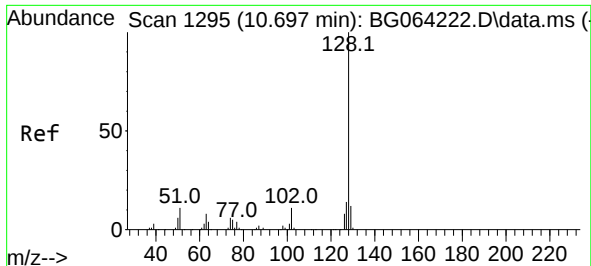
Tgt Ion: 82 Resp: 189628
Ion Ratio Lower Upper
82 100
128 37.9 32.6 48.8
54 65.4 54.7 82.1



#25
Isophorone
Concen: 2.639 ng
RT: 9.577 min Scan# 1104
Delta R.T. -0.009 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Tgt Ion: 82 Resp: 17883
Ion Ratio Lower Upper
82 100
95 164.0 7.9 11.9#
138 12.1 13.0 19.4#

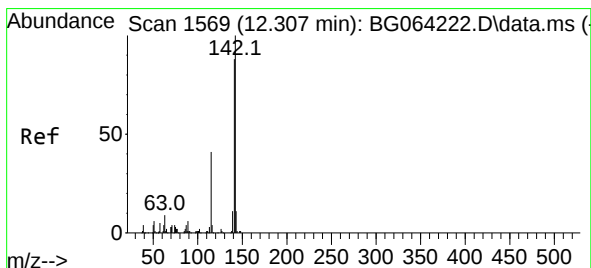
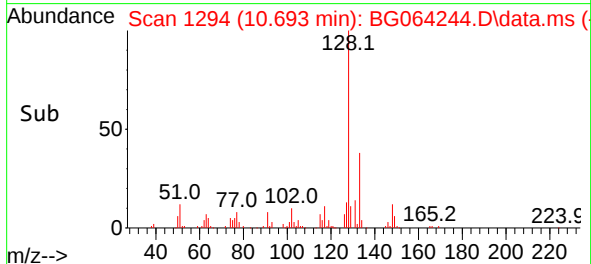
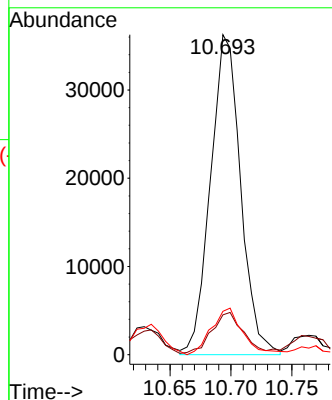
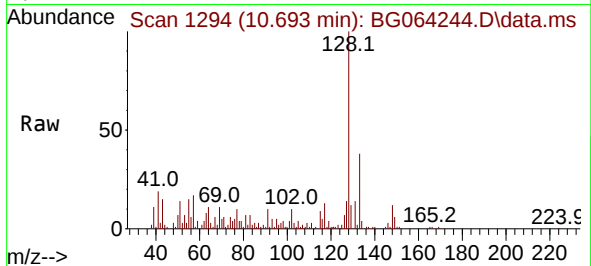




#31
Naphthalene
Concen: 6.627 ng
RT: 10.693 min Scan# 1294
Delta R.T. -0.004 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

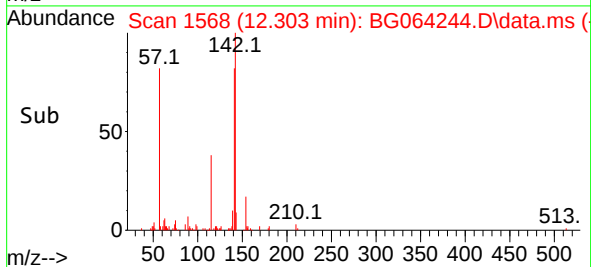
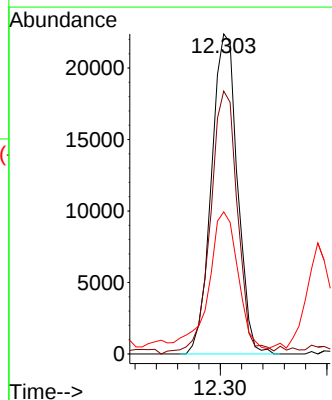
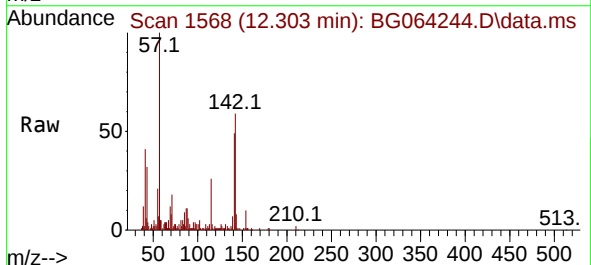
Instrument :
BNA_G
ClientSampleId :

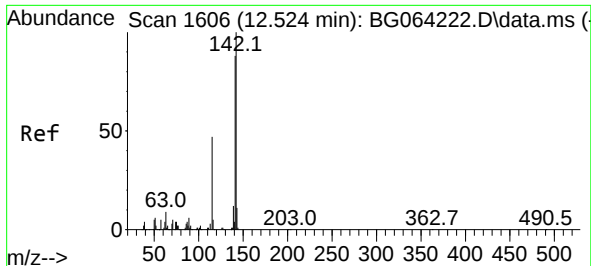
Tgt Ion:128 Resp: 62480
Ion Ratio Lower Upper
128 100
129 12.5 9.4 14.2
127 13.5 10.9 16.3



#37
2-Methylnaphthalene
Concen: 5.411 ng
RT: 12.303 min Scan# 1568
Delta R.T. -0.004 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Tgt Ion:142 Resp: 37918
Ion Ratio Lower Upper
142 100
141 82.1 70.1 105.1
115 44.4 33.1 49.7

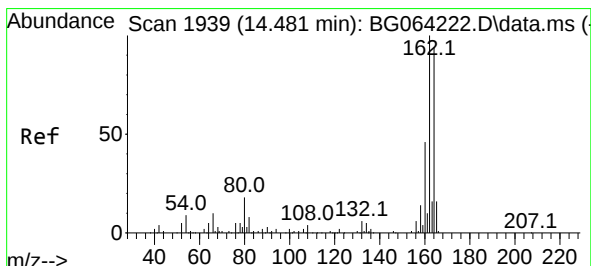
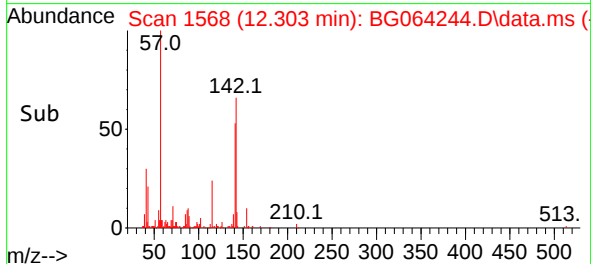
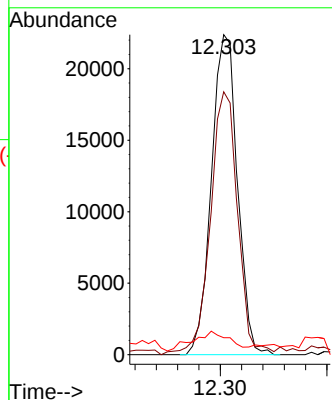
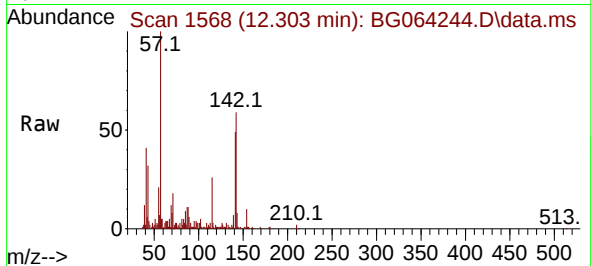




#38
1-Methylnaphthalene
Concen: 5.478 ng
RT: 12.303 min Scan# 1568
Delta R.T. -0.221 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

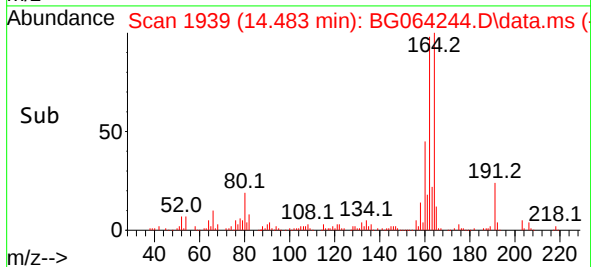
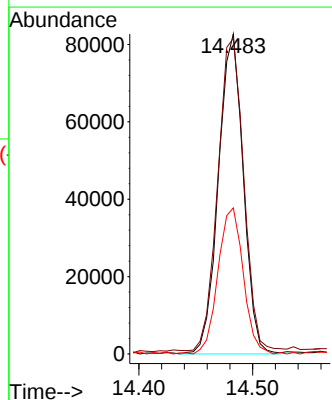
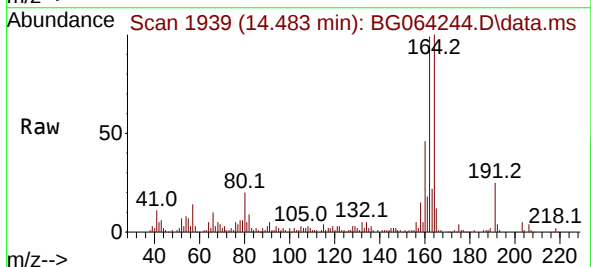
Instrument :
BNA_G
ClientSampleId :

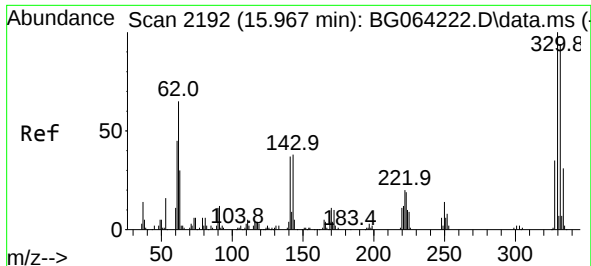
Tgt Ion:142 Resp: 37918
Ion Ratio Lower Upper
142 100
141 82.1 70.3 105.5
116 5.3 3.7 5.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. 0.002 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

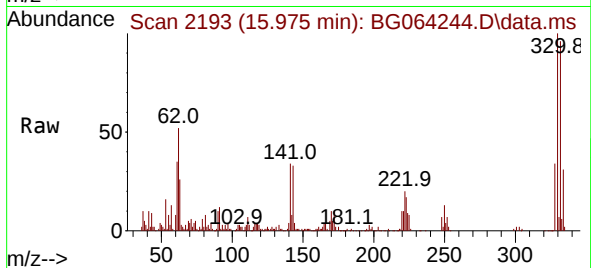
Tgt Ion:164 Resp: 125462
Ion Ratio Lower Upper
164 100
162 98.7 85.4 128.0
160 45.6 39.2 58.8



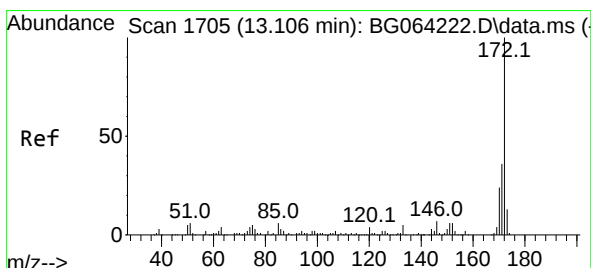
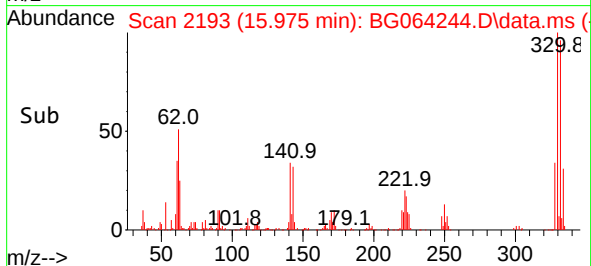
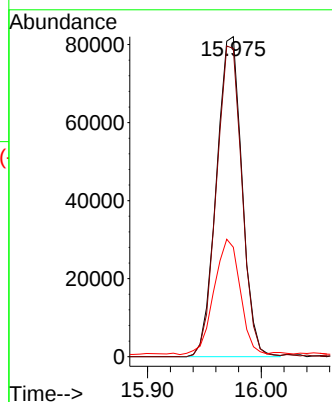


#42
2,4,6-Tribromophenol
Concen: 77.080 ng
RT: 15.975 min Scan# 2192
Delta R.T. 0.002 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Instrument :
BNA_G
ClientSampleId :

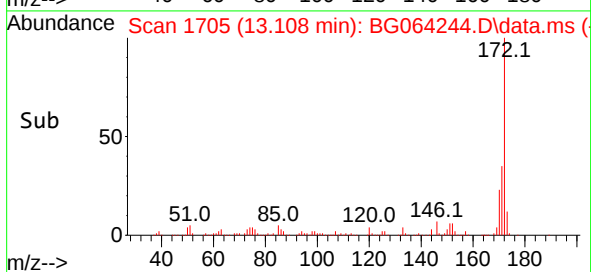
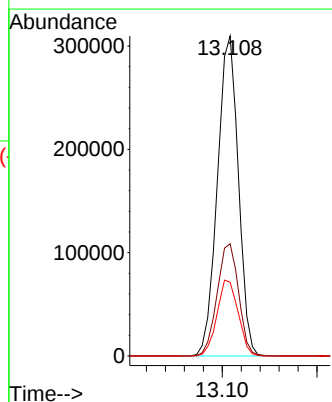
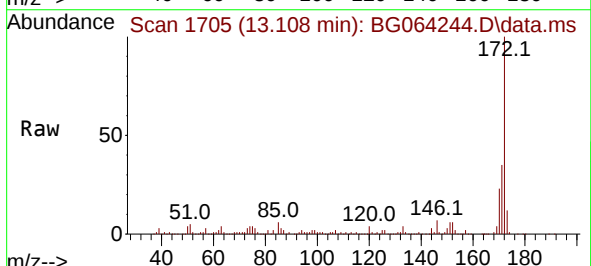


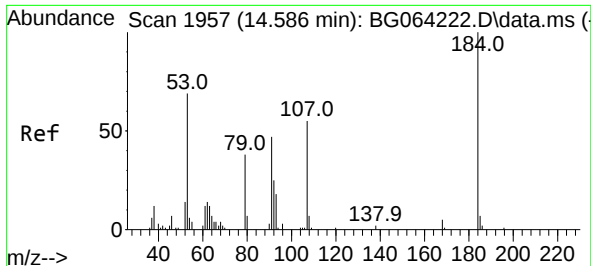
Tgt Ion:330 Resp: 128092
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 36.8 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 57.843 ng
RT: 13.108 min Scan# 1705
Delta R.T. -0.004 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

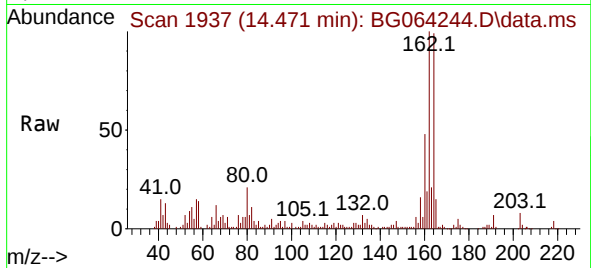
Tgt Ion:172 Resp: 475456
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.0 19.0 28.6



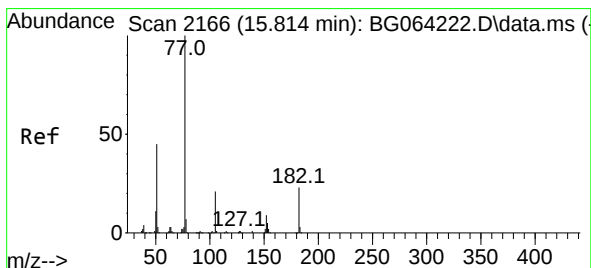
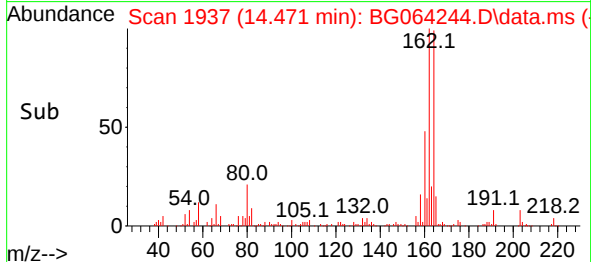
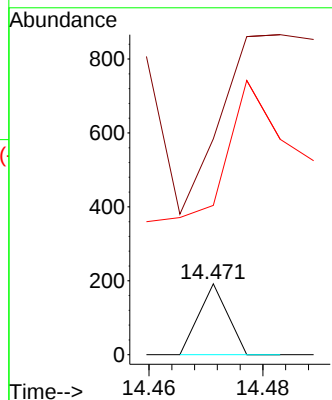


#54
2,4-Dinitrophenol
Concen: 5.704 ng
RT: 14.471 min Scan# 1957
Delta R.T. -0.121 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Instrument :
BNA_G
ClientSampleId :

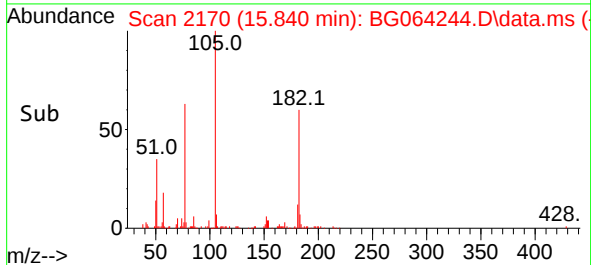
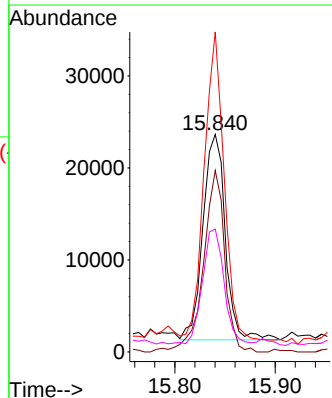
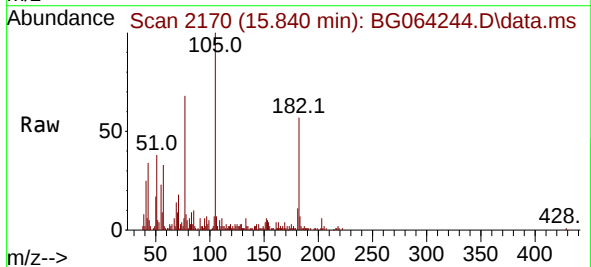


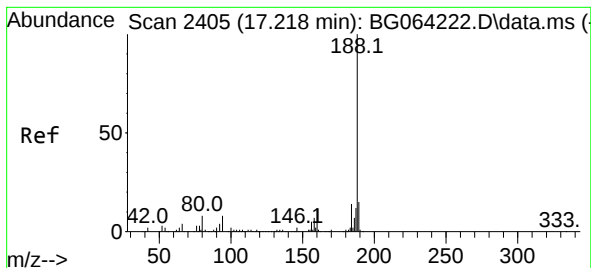
Tgt Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 304.2 60.1 90.1#
154 210.4 59.8 89.8#



#63
Azobenzene
Concen: 3.830 ng
RT: 15.840 min Scan# 2170
Delta R.T. 0.020 min
Lab File: BG064244.D
Acq: 2 Sep 2025 14:03

Tgt Ion: 77 Resp: 34692
Ion Ratio Lower Upper
77 100
182 83.4 3.3 43.3#
105 147.1 0.6 40.6#
51 56.5 25.3 65.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 24

Delta R.T. -0.004 min

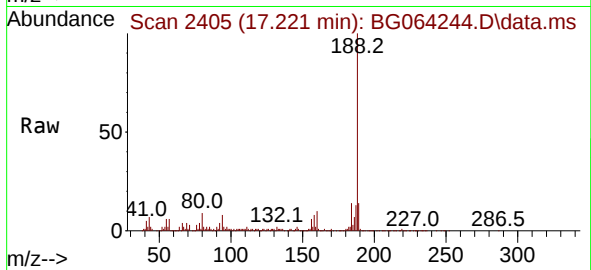
Lab File: BG064244.D

Acq: 2 Sep 2025 14:03

Instrument :

BNA_G

ClientSampleId :



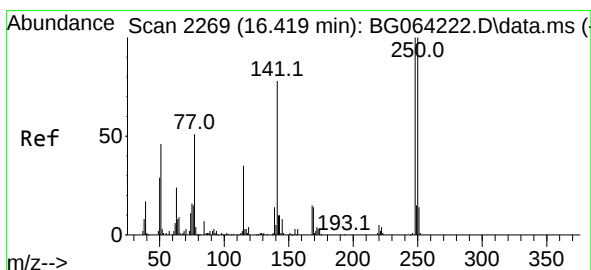
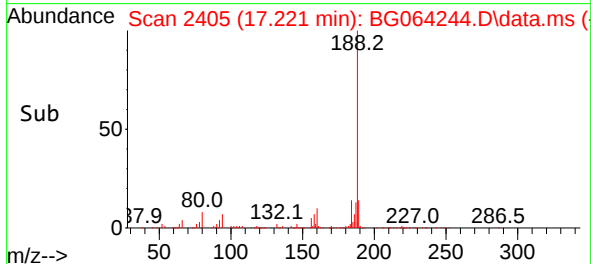
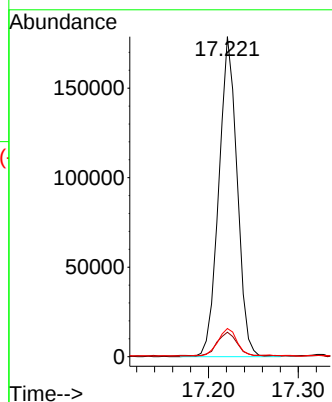
Tgt Ion:188 Resp: 253470

Ion Ratio Lower Upper

188 100

94 7.7 6.2 9.4

80 8.8 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 3.478 ng

RT: 15.970 min Scan# 2192

Delta R.T. -0.450 min

Lab File: BG064244.D

Acq: 2 Sep 2025 14:03

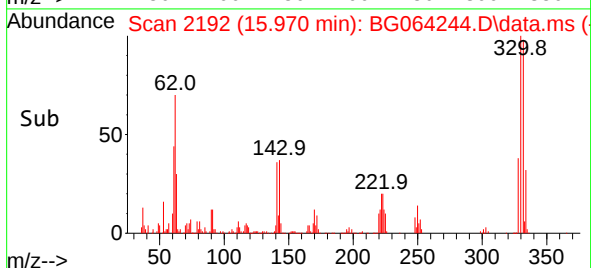
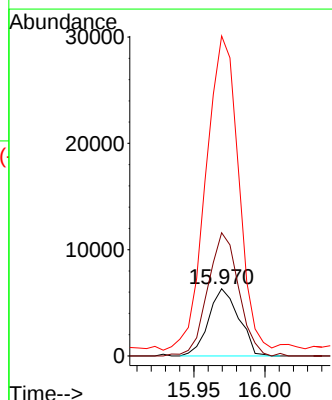
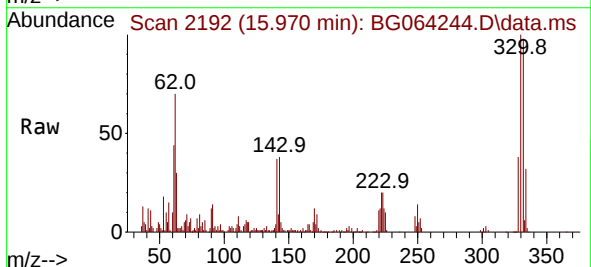
Tgt Ion:248 Resp: 9363

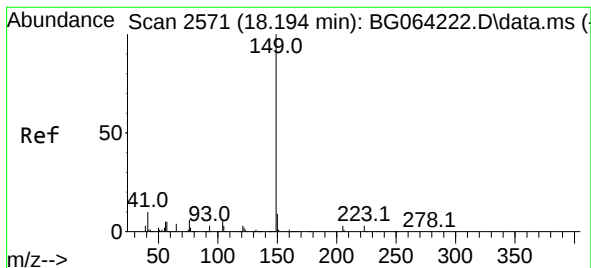
Ion Ratio Lower Upper

248 100

250 183.7 80.2 120.4#

141 476.7 62.4 93.6#





#74

Di-n-butylphthalate

Concen: 2.508 ng

RT: 18.190 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG064244.D

Acq: 2 Sep 2025 14:03

Instrument :

BNA_G

ClientSampleId :

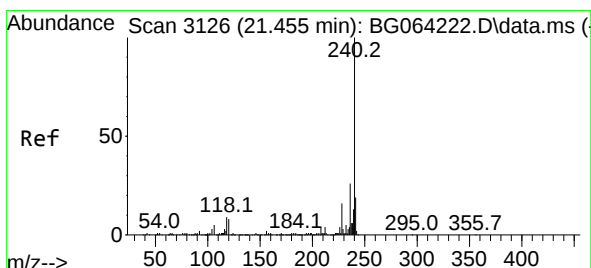
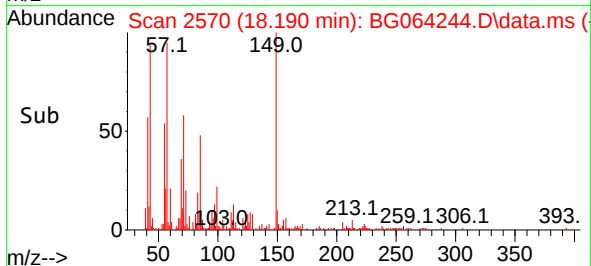
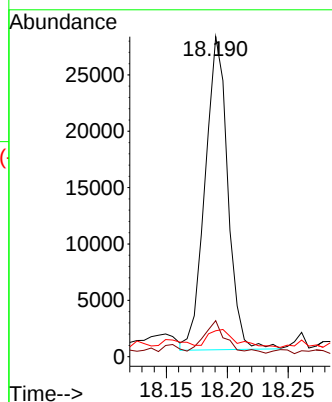
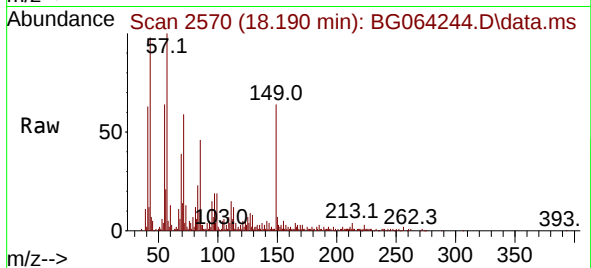
Tgt Ion:149 Resp: 36092

Ion Ratio Lower Upper

149 100

150 11.2 7.5 11.3

104 8.1 4.6 7.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.457 min Scan# 3126

Delta R.T. 0.002 min

Lab File: BG064244.D

Acq: 2 Sep 2025 14:03

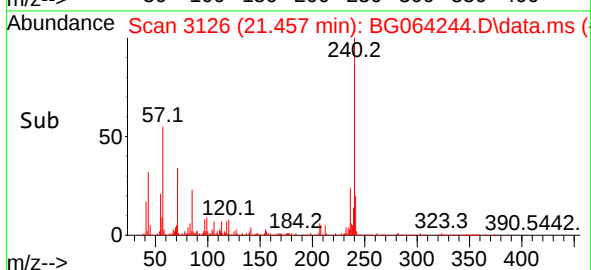
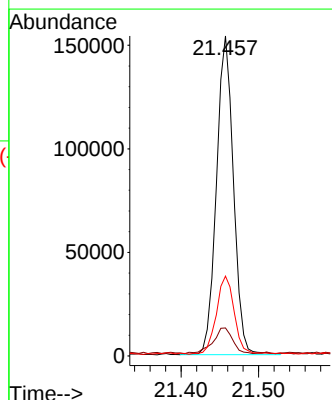
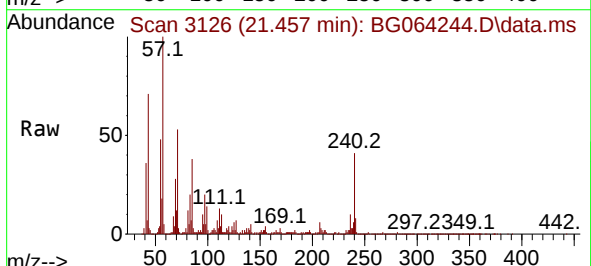
Tgt Ion:240 Resp: 234044

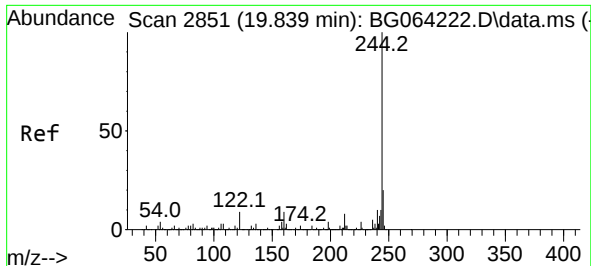
Ion Ratio Lower Upper

240 100

120 8.8 6.2 9.4

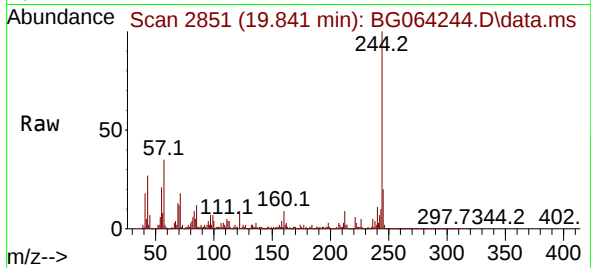
236 24.9 20.5 30.7



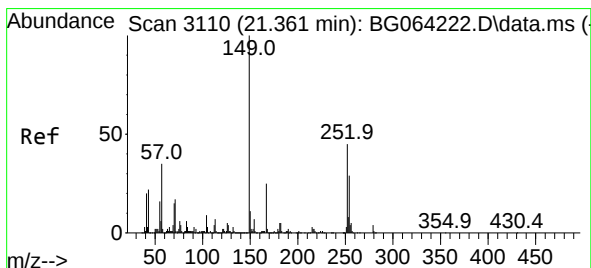
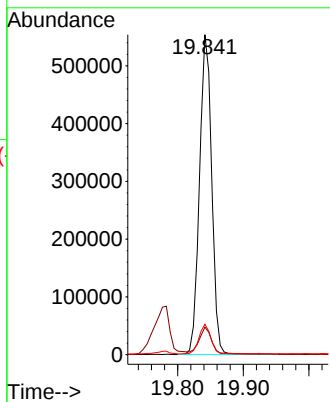
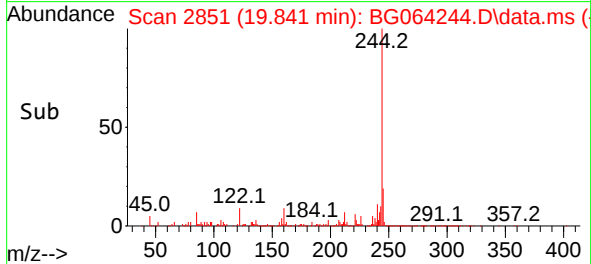


#79
 Terphenyl-d14
 Concen: 63.912 ng
 RT: 19.841 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG064244.D
 Acq: 2 Sep 2025 14:03

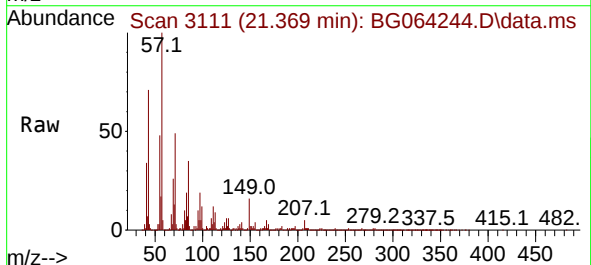
Instrument :
 BNA_G
 ClientSampleId :



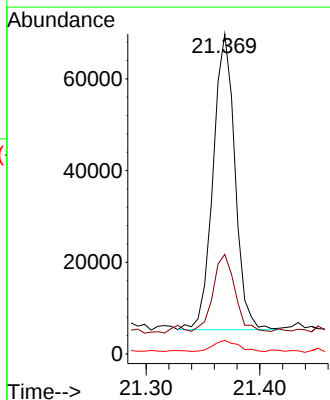
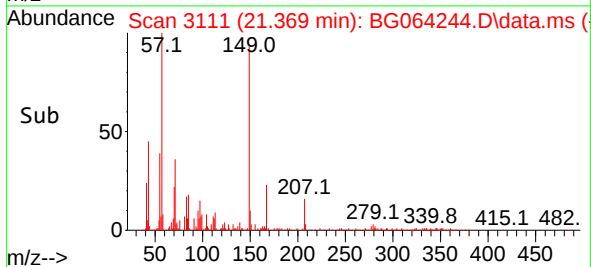
Tgt Ion:244 Resp: 716953
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.6 10.0
 122 9.5 7.0 10.6

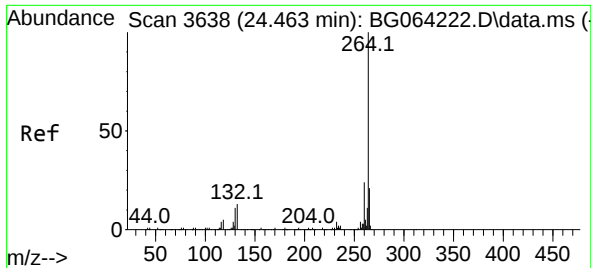


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 10.294 ng
 RT: 21.369 min Scan# 3111
 Delta R.T. 0.002 min
 Lab File: BG064244.D
 Acq: 2 Sep 2025 14:03



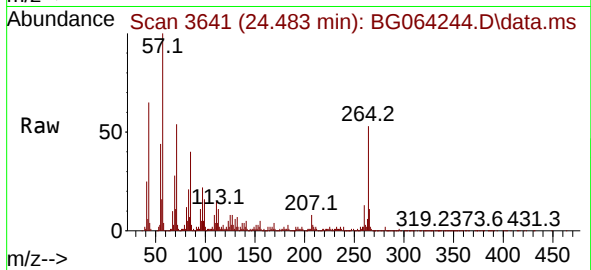
Tgt Ion:149 Resp: 85948
 Ion Ratio Lower Upper
 149 100
 167 31.1 20.0 30.0#
 279 4.3 3.0 4.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.483 min Scan# 30
 Delta R.T. 0.020 min
 Lab File: BG064244.D
 Acq: 2 Sep 2025 14:03

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 270065
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.9 28.3
 265 21.3 16.7 25.1

